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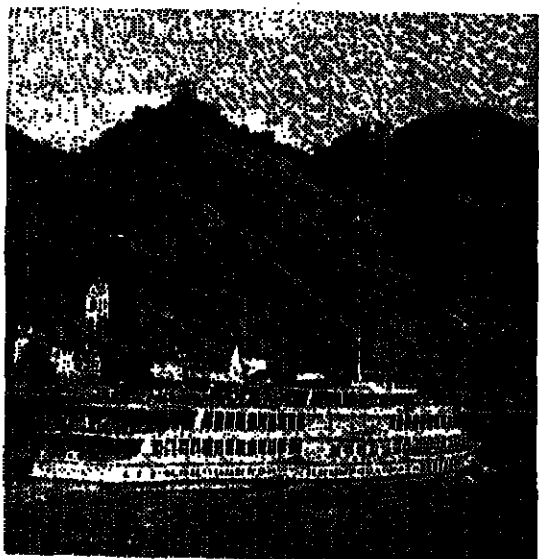
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Happy holidays in the Federal Republic of Germany 1972

The German Tribune

A WEEKLY REVIEW OF THE GERMAN PRESS

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Hamburg, 17 August 1972
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North Vietnamese concentrate on delaying tactics in Paris talks

The USA government is keeping absolutely quiet about the current progress of the Paris Vietnam talks, the climate of opinion varying between cautious optimism and renewed resignation. On the one hand it is announced that Dr Kissinger, President Nixon's national security adviser, plans to conduct confidential talks in the French capital, on the other the North Vietnamese continue to pursue a hard line.

The crux is and remains the Communist demand that a truce be delayed until a solution to military and political issues has been arrived at.

The talks continually run aground over the crucial issue of who is to hold sway in Saigon. At his latest press conference President Nixon made it quite clear that the United States has no intention of overthrowing President Thieu's regime in South Vietnam, thereby contributing towards a Communist take-over in all Vietnam.

The North Vietnamese on the other hand are insisting not only on a withdrawal of all US troops from Indo-China but also on an end to aid of any kind for the government currently in office in Saigon, paving the way for the Thieu regime to be replaced by a government of so-called national unity.

elections. So they hope to be able to force the Americans to make further concessions.

In recent weeks Hanoi has repeatedly intimated that it would sooner see Senator McGovern installed in the White House because his pledge to pull all US troops out of Vietnam within ninety days sounds more credible and because he talks of the Saigon government solely in terms of a corrupt military dictatorship.

Why, the Communists ask, ought they to lend Mr Nixon electoral assistance in the form of a success at the conference table when they mistrust him in any case?

In this evidently hopeless situation it has come as all the more of a surprise in Washington that President Nixon noted at his last press conference that the prospects of achieving a negotiated solution were better now than ever before.

There has yet to be official confirmation of any developments warranting so optimistic a forecast. The utter silence about Dr Kissinger's last interview with North Vietnamese politbureau member Le Duc Tho does not augur particularly well.

Observers conclude that President Nixon's optimism is intended for domestic consumption. Had a genuine breakthrough been achieved in Paris the government in Washington would hardly fail, for election campaign reasons, to make the progress public.

In addition the US government would like to relieve the burden of congressional pressure to name a final deadline for the withdrawal of all troops from Indo-China.

In the course of a single week the US Senate passed two resolutions calling on the government to pull all troops out within four months provided American prisoners of war are released.

The first resolution, an amendment to the Bill on military aid overseas, was rejected, but the second, linked to legis-



Paraplegic Games in Heidelberg

A thousand contestants, roughly a third of them female, accompanied by 400 escorts, attended the paraplegics Olympics Games that were opened by President Heinemann in Heidelberg on 2 August. Contestants from 43 nations attended, including teams from Hungary, Poland and Rumania in the East Bloc. Teams from Russia and the German Democratic Republic did not attend, however. Before the Games commenced President Heinemann invested Professor Ludwig Guttman of Stoke Mandeville Hospital, near London, with the Order of Merit. Professor Guttman was an initiator of the Games. (Photo: dpa)

armistice agreement with North Vietnam, leaving North and South Vietnam to fight it out.

President Thieu talked in terms of grave dangers for South Vietnam and called for continuation of US aerial bombardment until such time as the North's military capacity is fully destroyed.

He reckoned that at current intensity aerial bombardment would have to continue for another nine months. This is the problem for President Nixon. How is he to continue the air war in its present form beyond November and the date of the Presidential elections?

His Democratic challenger, Senator McGovern, will naturally attempt to make maximum political capital out of any such decision. Dr Günther de Tiler (Weser Kurier, 8 August 1972)

approving defence expenditure to the tune of 20,600 million dollars, was carried.

It is worth noting that eleven Republican Senators voted in favour of the resolution, which could well leave their fellow-Republicans, Mr Nixon, in an awkward situation.

The government can now but hope that the resolution will be rejected by the House mediation committee. In this instance the final move, a Presidential veto, is probably out of the question because it would also cut short the flow of taxpayers' money for military development programmes.

A comment by the South Vietnamese President has also given rise to speculation. General Thieu has expressed anxiety lest the United States conclude a separate

East Bloc leaders meet in the Crimea to discuss detente in Europe

Official and semi-official disclosures have now clarified the line taken by Eastern Bloc leaders at their meeting in the Crimea. There has been confirmation of suppositions that considerable importance is attached to the prompt conclusion of a fundamental agreement between Bonn and East Berlin.

The East is definitely anxious to round off the policy of detente in Europe as far as possible prior to the Bonn general election.

Whether or not this will prove possible is another matter. In addition to the fundamental treaty between the two German states the Eastern Bloc Party leaders also attached priority to the treaty between Bonn and Prague that has long been in the offing.

This demand was, however, again coupled with the uncompromising tenet that the Munich Agreement was allegedly invalid from the word go, a contention that the Bonn Federal government cannot, for reasons of international legal principle, not to mention the Sudeten Germans themselves, accept.

So if Prague is seriously interested in entering into formal negotiations at long last Foreign Minister Chloupek ought to be more specific in his talk of a flexible settlement.

The formula adopted by Bonn ever since the days when Dr Erhard was Chancellor, stating that the Munich Agreement was unjust from the start and invalid at the latest when Hitler's troops marched into Prague, is flexible enough.

Prague ought no longer to object to this compromise formula.

Statements referring to the Crimean summit also give rise to suppositions that Warsaw will not be prepared to clarify various difficulties presently besetting relations with this country until such time as treaty negotiations between Bonn and Prague and Bonn and East Berlin have come to a successful conclusion.

In this context the "undertakings" are recalled that Bonn is said to have made in the declarations of intent made in connection with the Moscow Treaty.

These undertakings are not specific. They are merely intentions that are in accord with the political targets of this country. What is more, the reminder sounds an odd note in view of the fact that the Poles themselves have long ceased to act in accordance with the assurances given at the time of the signing of the treaty with Bonn. The repatriation programme is making slow progress.

Uwe Feller
(Bremer Nachrichten, 7 August 1972)

FOREIGN AFFAIRS

UN Secretary-General Waldheim and USA bombing of Vietnamese dikes

A fair number of people, particularly prominent politicians, will know UN Secretary-General Kurt Waldheim. His has been anything but a meteoric career and Dr Waldheim's is thus not a name that takes time getting used to.

He has been a professional diplomat and Austrian ambassador, primarily to the United Nations, and took over from U Thant of Burma as the world's highest-ranking civil servant. To cut a long story short, he is anything but an unknown.

The man is as well-known as the name. He is cautious, considerate, cool, reserved in a mistrustful way and given to vague formulas, convinced that there is nothing definite and final in life, least of all in politics.

A conservative without an ideological background, he has the reputation of being prudent and pragmatic. Dr Waldheim is now the subject of heated East-West debate, a debate that is being followed with mixed feelings, particularly in Austria, his own country.

The Austrians are worried lest the crossfire he has encountered have repercussions not only on the man himself but also on the country he comes from.

Austria, for which the concept of perpetual neutrality represents a kind of binding formula for non-alignment, is probably overdoing the anxiety, even though occasional repercussions of Great Power friction can never be considered entirely out of the question.

Waldheim's allegedly vehement response to what were initially mere accusations of US bombing of the North Vietnamese dikes sounded a somewhat unlikely note, certainly in the light in which it was cast in and by the United

States and for those who know the man. It was all the more gratifying to hear of his rectification, though it was not Dr Waldheim himself who put the picture right but Austrian Defence Minister Lütgendorff, who discussed matters with the UN Secretary-General during a visit to the United States.

The Secretary-General, it was stated by way of a disclaimer, had not claimed that there had been bombing raids of this kind; he had merely issued a warning against undertakings of this nature in future. This formula was subsequently confirmed by Dr Waldheim himself.

This does indeed sound more like the man career diplomats and politicians know. In the event certain facts also came to light. President Nixon, who had accused the Secretary-General of naivete, which is hardly one of his characteristics, conceded (as did a number of US government spokesmen and Cabinet Ministers) that a number of insignificant dikes might unintentionally have been damaged.

This too sounds credible, apart, that is, from the word "unintentional". Everyone who is at all in the picture knows that the dikes are often gigantic earthworks, crisscrossing North Vietnam for distances of 2,000 kilometres.

They are straddled by six metres and more of road, railway lines, flak, and missile emplacements, which add a strategic aspect to what is otherwise a peaceful character, not to say a vital function for millions of North Vietnamese.

It is one of the duties of the UN Secretary-General, as Vienna and Dr Waldheim himself are well aware, not to overlook aspects of this kind. When

bombing raids, whether intentional or unintentional, threaten to have disastrous effects on the civilian population the UN Secretary-General must speak up by virtue of his function (Kurt Waldheim would never dream of voicing a personal opinion on matters of this kind).

This, however, is only one aspect of the affair. The other is even more self-evident. Prior to the forthcoming UN General Assembly in September Dr Waldheim plans to visit Peking. While in the Chinese capital he will, as he would anywhere else, offer to be of assistance in mediating in Vietnam.

This he can only do if he is both impartial and seen to be so and not clearly on the one side or the other. The UN General Assembly, Dr Waldheim is convinced, will be most critical of US aggression in Vietnam, the only impediment being the size of the majority by which some such resolution will be passed.

The General Assembly will also have something to say about the projected dual memberships of, say, the Federal Republic of Germany and the German Democratic Republic, North and South Vietnam etc.

In this context too Dr Waldheim feels obliged to take an impartial stand. He is taking care to ensure that he does not appear to be the mouthpiece of any one Great Power or group of powers.

There are those who accuse the Secretary-General of opportunism. Similar allegations were levelled at his predecessors.

For Dr Waldheim this opportunism, probably what President Nixon meant by naivete, is practically a logical consequence of the parliamentary, factional

character of the United Nations, particularly the General Assembly.

By virtue of his personal statement, has consciously and deliberately adopted a stance that is midway between viewpoints of the various parties powers.

No one will seriously believe that Waldheim, of all people, has lightly thoughtlessly placed himself at the disposal of Communist propaganda, as alleged in the heat of debate.

There is still another factor that makes any such change of stand out of question, always assuming that he ever seriously considered abandoning the Secretary-General's neutral approach: the gloomy financial position of the United Nations.

Financially the UN owes its continued existence to the generosity of the States, which, however, is proving itself less obliging. It is thus up to the Secretary-General to persuade the Soviet Union and People's China and the other UN members to seriously take foot bills run up by the world body.

By making play with the importance of the Secretary-General's viewpoint indirectly that of the UN itself, Waldheim may have hoped to put way for this financial rescue operation.

The weeks to come will show whether he has succeeded in this aim or - as might not even be such a bad thing - upshot will be that he has succeeded in deciding the United States rigorously trim the sails of its financial generosity.

In the meantime Dr Waldheim's relations and non-reactions make it clear that he has made play with his position world affairs rather than overplay his hand.

This, it is felt in Vienna, is typical Waldheim. Any other interpretation would be a genuine misunderstanding.

Which is not, of course, to say the misunderstandings do not frequently and unwittingly determine the direction of world affairs in a manner that is far from convenient for the causes of mankind.

(Deutsche Zeitung, 4 August 1972)

DOMESTIC POLITICS

Parties play election campaign funding close to the chest

Nothing is more essential for an election campaign than money yet there is nothing about which political parties are less enthusiastic to talk in public either during or prior to the campaign.

A party that admits to being hard up automatically encourages the other side and boosts the other party's feelings of superiority. If, on the other hand, a party makes play with substantial funds that are to be invested in an election campaign the other side promptly levels appropriate allegations.

The other side will indeed successfully appeal to the emotions of many people who feel that party-political activities in general and election campaigns in particular are a "dirty" business and would prefer them to cost nothing at all.

What is more, the feeling that one party is head and shoulders above the other in terms of bank balances can too readily boomerang. Voters plump for the financial underdog, feeling that electoral success ought not to depend on ready cash.

Walter Leisler Kiep, the national treasurer of the Christian Democrats, recently ran into trouble with his comment that his party would probably be spending between seventy and eighty million Marks on the forthcoming election campaign.

Needless to say, he meant the sum total of CDU spending at all electoral levels, national, state and constituency.

Holger Börner, the national business manager of the Social Democrats, promptly countered that the CDU evidently planned to pit money against arguments. Well-to-do financial sources, he claimed, evidently proposed to lend substantial cash support to the pro-management policies of the Christian Democrats.

"The few super-rich," Hörner Börner even went so far as to say, "are sounding the war cry." The CDU responded by referring to the substantial financial reserves that the SPD has at its command.

At national level, the CDU estimates general election expenditure will amount to somewhere in the region of forty million Marks. The SPD expects to spend a similar amount of money, while the Free Democrats, the junior partner in the ruling coalition, are thinking in terms of million Marks, or so.

The major political parties are not saying how much money the lower echelons of their organisations are able and willing to spend. They claim just not to know.

The CDU is trying to gain some idea by consulting regional party treasurers. A campaign masterplan and budget are to be drawn up by the beginning of September.

The Free Democrats admit that their organisational structure is extremely federalistic and decentralised. At national level the FDP, they claim, is not even in the position to worry about local expenditure.

Last but not least the Christian Social Union, Franz Josef Strauss' Bavarian branch of the Christian Democrats, plan to spend fifteen million Marks on the election campaign.

All concerned are more than canny about where the money is to come from. The only detailed figures are to funds that are reimbursable by the provisions of the Political Parties Act as a contribution by the Exchequer towards election campaign expenditure.

The political parties can lay claim to 2.50 Marks per head of the electorate per legislative period. In principle this sum is shared between them on the basis of the

results of the election the campaign precedes.

The parties do, however, receive lump sum payments in advance that are, in view of the fact that no other criterion is available, allotted on the basis of their previous performance in the elections in question.

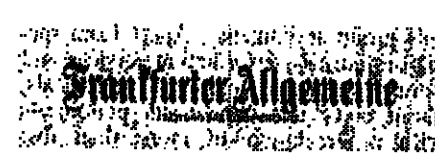
In 1970 the parties (the SPD, CDU, CSU and FDP by virtue of being represented in the Bohn Bundestag and the National Democrats by virtue of representation in a number of state assemblies) were allotted ten per cent of the total due to them on the basis of their performance in the 1969 general election.

In 1971 a further fifteen per cent was paid out and this year 35 per cent is due to change hands on 20 October. Payment can, however, once it is certain that the Bundestag is to be dissolved prior to its normal lifespan of four years, be made slightly in advance in order to allow the parties to plough the funds directly into campaign expenditure.

The remaining forty per cent is payable after the elections, varying in accordance with the electoral showing in relation to the election beforehand.

All parties this time stand to benefit from a bonus that is theirs for the first time. Eighteen- to twenty-years-olds will be eligible to vote for the first time and their 2.50 Marks per head also count, representing an additional five million Marks in all.

Insofar as election campaign reimbursements are ploughed into day-to-day party expenditure (which is undoubtedly partly the case) the shortening of the life of the



current Bundestag by roughly a year represents a slight advantage. The sum total will have been forthcoming over a period of three years rather than four.

This is, moreover, both inevitable and justifiable as long as public funding of political parties goes by the name of reimbursement of election campaign expenditure. General elections, no matter how often they are held, always cost the same amount of money.

Yet even the 35-per-cent slice of the cake that the parties will now be ploughing straight into the election campaign will only partly cover the estimated costs.

The Social Democrats will receive 14.5 million Marks; the Christian Democrats 12.5 million; the Christian Social Union 3.2 million; the Free Democrats two million; and the National Democrats a million and a half Marks.

The National Democrats stand to forfeit their 1.5 million Marks if they either poll less than 0.5 per cent of the vote or decide not to put up for election, as was the case in the Baden-Württemberg state assembly elections last spring. This would slightly increase the funds payable to the other parties.

Assuming that the forty-per-cent final instalment apportioned among the parties after the elections is a slightly higher amount than the sums already mentioned all political parties will, assuming their

campaign spending corresponds to their declared estimates, be left with substantial bills to foot out of their own resources.

The Social Democrats will have to find some ten million Marks, the Christian Democrats fifteen million, the Christian Social Union nine million and the Free Democrats six million Marks.

In no case can membership dues, which also go towards day-to-day running costs of the parties, amount to more than a bare fraction of this total.

Even the Social Democrats received only 3.5 million Marks in membership dues in 1970, the latest year for which accounts have been published. The Christian Democrats rang up only 2.3 million Marks on the party bill.

All parties will thus have to raise the deficit from either capital gains (which are practically limited to the SPD) or donations.

The Christian Democrats sound a cautiously optimistic note about donations. A large number of small and moderate donations are flowing in, occasioned by any number of grounds.

Industrial donors, it is claimed, have grown increasingly willing to regard the CDU as a party of the people, with such a variety of interests among members, supporters and voters that it cannot by any means pay exclusive regard to industrial wishes.

On balance treasurer Kiep hopes to emerge from the forthcoming election campaign without substantial additional indebtedness. This is extremely important in view of the fact that the 1969 election campaign left the party substantially in debt.

This burden of debt has since been reduced from twelve to eight million Marks; and capital and interest repayments have been so arranged to allow current donations to be ploughed into immediate expenditure rather than debt repayment.

Friedrich Karl Fromme
(Frankfurter Allgemeine Zeitung für Deutschland, 28 July 1972)

Mischnick spells out FDP election programme

Despite the claim being made by all concerned that the FDP will continue to form a coalition with the Social Democrats after the next election and as long as the majorities make this feasible to form the next government in conjunction with the SPD, the FDP is concerned to draw distinct lines of demarcation between itself and its Social Democrat partners.

According to Wolfgang Mischnick, the Chairman of the FDP parliamentary party in the Bundestag, the aspect in which the party clearly differs from the SPD is in the reform of penalties for illegal abortion. On this score the FDP is almost unanimous in campaigning for abortions to be legal within the first three months after conception, while only a limited group of SPD politicians is in favour of this amendment.

Other lines of demarcation between the two parties mentioned by Mischnick were tax reform, real estate laws and worker participation in decision-making. As far as tax reform was concerned the FDP would accept the general values drawn up by the present government while rejecting out of hand for example the suggestions put forward at the SPD party-political conference on taxation of last autumn.

Furthermore the FDP was, he said, in favour of passing the actual fiscal reform Bill - realignment of forms of tax - immediately, and only later checking whether the sliding scales should be altered to produce extra revenue for the State.

Also, the FDP rejects idea of worker participation in decision-making on a par basis such as is proposed by the SPD. As to the new real estate Bill drawn up by the SPD, commission shows clear socialist tendencies which the Free Democrats find unacceptable.

Mischnick threw some light on the statement made after the resignation of Karl Schiller that in a future SPD/FDP government the FDP would have responsibility in the economic and financial field, explaining that his firm decision had yet been made on which department the FDP would take over or who their representative would be.

He gave a reminder that Federal Minister of the Interior Hans Dietrich Genscher had already had a large say in economic policy decisions made by the government.

Mischnick said he would go along with Genscher's statement that readiness to form a coalition was not tantamount to writing a blank cheque to be filled out by the coalition partner at will, insofar as the basic readiness of the FDP to link up with the Social Democrats implied the formulation of a basic programme acceptable to the FDP.

The Bundestag will, Herr Mischnick feels, before its dissolution in the autumn (which he regards as probable and desirable, but not a foregone conclusion) ratify the new pension laws. On this point Herr Mischnick called the coalition's plans for an increase of all pensions by a "Sockelbetrag" (literally "pedestal

sum") of twenty Marks "essential and capable of development".

Furthermore Mischnick reckons that four other Bills passed by the Bundestag to a mediation committee at the last summer session will be ratified. But he is not of the opinion that the present government will be able to complete any more legislative work.

He considers that the 1972 budget will be brought up for discussion again in the Bundestag, but is not firmly of the opinion that it will be in conjunction with the budget that the Federal Chancellor will call the vote of confidence in himself, rejection of which would lead to the dissolution of the Bundestag.

A generally agreed plan of aid for the FDP by the SPD at the elections is something that Mischnick would rule out. But he does feel that in certain constituencies there may be a call for the important second vote to decide the total number of seats to be held by the party to be given to the FDP, while supporters of the SPD/EDR coalition will be exhorted in these constituencies to give their first vote for direct election of the candidate to the SPD man.

The composition of the next FDP parliamentary party is not yet clear, since Federal state lists have not been drawn up. FDP member Benny Diemer-Nicolaus has expressed his wish to leave the Bundestag. No firm decision on candidature has yet been made by former State-Secretary to the Federal Science Ministry Hildegard Hamm-Brücher.

In Bavaria the FDP is struggling to keep its position in the provincial assembly. As far as Karl Schiller is concerned, Herr Mischnick said that to the best of his knowledge there had been no contact between the former minister and the FDP with a view to a change of party.

(Frankfurter Allgemeine Zeitung für Deutschland, 25 July 1972)

Nato must stick to its guns on European troop cut talks

When US Defence Secretary Melvin Laird recently noted that negotiations between the United States and the Soviet Union on troop cuts in Europe could begin in a few months' time he was promptly called to order by the North Atlantic Council in Brussels.

The two superpowers would not be alone in negotiating, the Nato body retorted. The Central European partners in the North Atlantic alliance also had a word to say.

This apparently minor consideration is not, of course, occasion for drama of any kind. It nonetheless remains worthy of note as symptomatic of the complicated preliminaries to the protracted body of negotiations on mutual balanced-force reduction in Europe.

Ever since the first Salt agreement between Washington and Moscow - if not beforehand - it has been apparent that rough estimates, even of such seemingly undeniable constants as numbers and range of missiles, are no longer sufficient to achieve much in the way of results.

It is not only that the military systems that have developed in East and West over the last 25 years cannot simply be pruned by five or twenty per cent at the top end of the scale.

The political and psychological background is so varied that common ground would appear to be out of the question at the first attempt.

From the West's point of view it is logical enough to embark on troop cuts on a tit for tat basis as long as America's military presence in Europe remains at its current strength.

The Soviet Union, on the other hand, is not entirely mistaken in assuming that the United States would pull out some of its troops without the other side making

parallel concessions if only political deities were to make progress.

Another case in point is the view advocated primarily by Bonn that within the region in question not only foreign troops but also those of the countries immediately concerned ought to be reduced in strength.

At first glance this proposition would appear to be unobjectionable. Yet it is doubtful, to say the least, whether a number of neighbouring countries would agree to this country relieving itself of part of its military burden.

Even this equation disregards completely the fact the function of, say, the GDR National People's Army is more than merely to contribute towards the balance of military power between East and West.

Planning difficulties need not be overrated, this country's Bundeswehr recently having cut back conscription from eighteen to fifteen months without apparent hardship.

There can nonetheless be no doubt whatsoever that Nato's entire air defence system, in Central Europe, would be in trouble if the Americans were to start a partial withdrawal of their tactical air force.

And pundits would have it that pruning of the US Seventh Army, and be it only a cut in the strength of support units, would have the reverse effect to what has been aimed at for some time. It would lower rather than raise the nuclear threshold, the level at which conventional warfare must necessarily lead to a nuclear holocaust.

These few points must suffice to illustrate that swift results need not be expected. Even when negotiations finally get under way, and that will take time, it will not all be plain sailing.

Talks can only lead to a certain degree of success provided there is some truth in the initial supposition that both sides are growing tired of continuing the arms race ad infinitum.

The first Salt agreement proved that this is the case as far as the big boys are concerned. For a variety of reasons matters will prove a good deal more difficult in Europe.

In Europe political considerations are involved the consequences of which cannot be prefigured and the stages of development of which can be neither controlled nor verified.

A withdrawal of US troops would, it is occasionally argued, act as a stimulus to Western European integration. There can be no proving this theory any more than it is necessarily true to say that European political union will not come about as long as America continues to provide the military shield.

For domestic reasons, which one must concede to be as good as any others, the United States cannot afford to keep troops stationed in Europe for all eternity. On the other hand, Washington cannot afford to allow a power-political or military vacuum to develop. In certain circumstances, the temptation might otherwise be too great for the Soviet Union to bring political pressures to bear

(not even direct threats would be necessary).

On the other hand it must be acknowledged that the United States has in the considerably cut back its troop strength in Europe, particularly in this context, without serious consequences ensuing.

These were, however, temporary measures comparable in no way with systematic and prearranged phase-out.

Possibly the sole prospect of agreement is a combination of cautious prior concessions by Nato, demonstrative yet capable of reversal, and permanent negotiations that are not abandoned although the results are fractionally negligible after a period of years.

Hans Reiser

(Süddeutsche Zeitung, 25 July 1972)

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■ MEDIA

Advertisers show more and more interest in 'Top People'

More than sixty newspapers and periodicals in the Federal Republic claim to appeal to the upper classes, whatever they may mean by this term, in order to have a slice of the ninety million Marks a year spent on advertising.

Have the upper classes a special need for information and are they as receptive as they appear or is the claim no more than a ruse to obtain fat sums from the advertising industry?

Defining the non-homogeneous upper classes has always caused difficulties to advertisers. Relatively small groups from the so-called intellectual elite - artists and writers for instance - are usually excluded.

Main emphasis is concentrated on top industrial and administrative executives. Pollsters believe that 1.7 per cent of the total population belong to this group.

The term top and middle management has been borrowed from the Anglo-Saxon world to cover the higher echelons of the self-employed, academics, top executives and senior and middle-grade civil servants.

If income is to be used as an additional criteria, a net income of two thousand Marks a month must be earned in order to qualify for inclusion in this group. About one and a half million people would then belong to this category.

If this group were to be reduced to those people in the administrative and specialised professions who are directly involved in the process of decision-making, it would comprise of about 800,000 persons.

The flood of information inundating

this group is immense. Apart from specialist journals, information services and purely specialist economic periodicals, about sixty newspapers and periodicals with a circulation of more than five million are trying to attract this section of the public.

To help bring some clarity into the situation, advertisers have settled on a system dividing newspapers and periodicals into three groups - those providing purely professional information, those only for private information and those for both professional and private information.

The first group consists almost exclusively of specialist periodicals and economic journals. The second group, catering for private information, is restricted to periodicals dealing with culture, hobbies, arts and science and other special themes.

As far as the economic interests of the advertising industry is concerned, the greatest significance is attached to the third group covering newspapers and periodicals giving top and middle management both professional and private information. This group includes the national dailies and weeklies as well as economic and news magazines.

The most important publications coming into this category are *Frankfurter Allgemeine Zeitung*, *Süddeutsche Zeitung*, *Die Welt*, *Handelsblatt*, *Spiegel* and *Wirtschaftswoche* - all of which appear at least once a week and have a circulation of about 1.8 million.

"In an average week these six publica-

tions provide some eight hundred pages of information dealing with current affairs in the political, economic and cultural sectors.

This wide range of information appears alarming and gives rise to the question of whether the two factors of supply and use of information do not need closer examination in order to provide some conclusions about the suitability of the communications media available - especially as the six publications listed may be the six most important but only make up thirty per cent of total sales of periodicals aiming at top and middle management.

A survey has shown that persons belonging to this category have more time for reading newspapers and periodicals than other professional groups. The survey shows that the use made of the media is strongly influenced by professional position and the qualifications obtained at school.

Persons with a high school-leaving certificate spend about 4 hours 22 minutes a week reading newspapers while those with an elementary school-leaving certificate only spend 3 hours 41 minutes.

These statistics show that there is a greater need for information in the upper social levels but the figures are not as impressive as they may appear at first glance. The time spent reading newspapers also covers regional and local publications.

Despite all the problems involved in surveys of this type - people and periodicals cannot always be fitted into clearly-defined categories - it is justifiable to question the value of this wide range and the use made of it by readers.

Advertisers and their advertising agencies therefore face the difficulty of choosing a publication from this wide range that will reach as efficiently as possible the eight hundred thousand persons comprising top and middle management.

Josef Ruland
(Die Welt, 31 July 1972)

Bauer goes in for regional magazine publishing

consider it to be a frontal attack on the most important part of their business.

Despite assurances that the new-style magazine is not directed against existing dailies, Bauer is taking a huge slice from the local market that once used to be the sole preserve of the publishers of daily newspapers. The Regional Press Committee states: "The Bauer Verlag should be advised to drop the project before printing even one issue."

After initial paralysis caused by the shock of it all (or so the trade journal *Werben und Verkaufen* called it) a Frankfurt-based group representing some eighty dailies went on to the attack in an attempt to stop the Bauer Verlag invading the local advertising market.

It examined the chances of a *Stadt-illustrierte* and came to the conclusion that the dailies are cheaper for advertisers. The group presented its research as a comparative investigation into advertising in order to give the trade some objective data about the new project.

Bauer rose to the challenge. Advertising head Günther Schöttler accused the Association of basing its claims on false statistics and promised to supply the correct information. *Stadt-illustrierte* need not fear any comparison of prices, he said.

Replying to a criticism made by the daily newspapers that the editorial staff of *Stadt-illustrierte* were no more than the grave for the meat of the advertisements, Heinz von Nohuys countered that the magazine was to have an editorial staff the like of which had never been seen before.

This switch of attention to the local market was not unexpected. For the past few years strategists at the large publishing concerns have noted that more and more interest was being displayed for things happening in a person's own town.

"Business in future lies in the local market," Nohuys states. This is true of advertising as well as readership. The advertising by department stores, house-agents, cinemas and supermarket chains is thought to be a growth market.

National periodicals have already participated in this market. Illustrated magazines and television weeklies have given advertisers the chance of advertising various products in various areas. But this type of advertising, soon reached its limits.

Bauer's move into the local market is a source of concern to many newspaper publishers. A large number of businessmen will be attracted by the opportunity of advertising in colour in magazines instead of in black and white in newspapers.

The threatened loss of advertising revenue is a particular danger to daily newspapers that do not stand in the front line, according to the Regional Press Committee. This in turn would endanger the plurality of opinion which would in this case be restricted.

But the Bauer Verlag does not believe that there is going to be a full-scale battle. Newspaper publishers would of course lose some of their advertising, Nohuys stated, but the market in cities was so large that competitors could easily live with one another.

There are no plans at present to extend *Stadt-illustrierte* to other cities. "For the time being we are sticking with the Big Five," Nohuys commented.

Peter Prager
(Süddeutsche Zeitung, 1 August 1972)

Newspapers prosper from political uncertainty

The hectic political scene in the Federal Republic at the moment has meant increased circulations for newspapers. Most of the national and regional papers have shown an increase in sales recent months and comparison with last year's figures show now much circulation has jumped.

Observers of the newspapers must conclude that readers are increasingly politics when events are so hectic as have been in Bonn and other places recent months.

But drops in circulation, in some cases considerable, have been registered in some of the popular dailies. The editions of *Bild-Zeitung* are also affected though experts believe that this will also be the result of price increases.

The Hamburg trade journal *Textil* has given details about current sales figures. *Westdeutsche Allgemeine Zeitung* with a circulation of 587,000 takes first place among serious regional newspapers.

Ruhr-Nachrichten/Westfalenpost is second place with a circulation of 380,000 followed by *Rheinische Post* (353,000), *Nürnberger Nachrichten* (320,000), *Hannoversche Allgemeine* (296,000), *Hamburger Abendblatt* (287,000), *Augsburger Allgemeine* (280,000) and *Neue Ruhr/Rhein Zeitung* (250,000).

There are another eight serious regional newspapers with a circulation of over a hundred thousand. Thirty dailies a more than one hundred thousand copies. The largest increase (excluding mergers) registered by *Frankfurter Rundschau* with a 7.2 per cent growth rate.

The popular press has not profited from this increased readership and has shown losses, some of them considerable. *Bild-Hamburg* is still in first place with a circulation of 434,000 but this represents a drop of eight per cent compared with the figures for the last quarter.

The same is true for *Bild* city edition in Munich (135,000) and *Bild* (109,000). But the total circulation of *Bild-Zeitung* throughout the Federal Republic rose by 2.9 per cent in the second quarter of the year to reach a total of three and a half million. Compared with last year's figures, this means a rise of 31 per cent.

Hamburger Morgenpost, *BZ* of Berlin and *Bild* of Munich and *Abend* of Berlin registered a drop in circulation of between two and six per cent. But *Express* (Cologne and Düsseldorf), *Abendzeitung* and *St. Pauli* (Munich) and *Abendpost/Nachricht* (Frankfurt) were able to gain ground. These newspapers have not yet increased their prices.

(Süddeutsche Zeitung, 21 July 1972)

German Playboy

Playboy has moved into the Federal Republic's periodicals market. The German version printed under licence by the Heinrich Bauer Verlag, Munich, plans to give males here a mixture of sex (exactly 26 per cent of each edition discounting advertisements), art, entertainment and humour.

The style and content conforms tightly to the American original. Advertising too follows the same general lines. As the magazine is meant mainly for intelligent sophisticated city-dwellers wishing to do well in their career, advertisements are not accepted if they offer goods for the "delicate".

In America *Playboy* is in an extremely healthy position with a circulation of 6.6

Continued on page 5

■ THE WORKING WORLD

Team investigates wage scales present and future

Chancellor Willy Brandt receives less net income than the Federal Republic's ambassador in Washington. Board members of Karstadt, the department store group, figure prominently in the salary stakes here with an annual income of almost six hundred thousand Marks.

Sales girls and bank employees have to make do with small salaries. Assistant film or television directors might just as well go on the dole - they would still get their seven hundred Marks a month.

The Bishop of Cologne is the Church's top earner but he only receives half of the two hundred thousand Marks or so a year paid to a chief pilot with Lufthansa.

Frank Grütz, 32, head of a project organised by the Kienbaum advisory group of Gumbrecht to investigate wage structures, criss-crossed the country, examining the pay-packets and pay-slips of employees here.

His findings are contained in the first systematic description of career prospects and salary trends to be issued in this country. The book, published by Wilhelm Heyne, Munich, is called *Benife und Geldler - heute und morgen* (Jobs and Salaries - Today and Tomorrow).

Exaggerated salaries are a typical feature of free enterprise but Grütz shows that working for the State also pays well. Of course limits were set to his research. Grütz could only estimate what ministers in Bonn earned - he expects that it is about ten thousand Marks a month on average though as they are usually mem-

bers of the Bundestag as well they receive an extra six or seven thousand Marks.

Grütz also explains in his book why the diplomatic service attracts so many aristocrats and why few women have a chance in this sphere. Diplomats, Grütz states, are the elite of civil servants in this country and have a great many perks.

Diplomats receive only the basic salary to which they are entitled through their comparable rank in ministerial administration in Bonn - but to this must be added foreign residence allowances, household allowances, purchasing power allowances and family allowances.

Ambassadors can also live free of charge in their embassies. Diplomats need only pay tax on their basic salary. The ambassador in Washington earns a gross monthly salary of 12,281.21 Marks. After tax he has more of his salary left than Chancellor Willy Brandt.

Even a small consular secretary, with a salary less than that of a skilled worker, can claim allowances from Bonn and boost his salary to over 5,100 Marks.

Executives working in free enterprise lose far more of their handsome salaries through tax and social contributions than civil servants with similar income and qualifications.

Grütz estimates that a 34-year-old engineering graduate with a wife and one child earns a gross salary of 2,700 Marks a month. After deductions he receives 1,946 Marks if working for free enterprise. If this engineering graduate had become a Grade A13 civil servant he would only earn 2,428 Marks gross but his net salary would be 2,004 Marks a month.

Artists, sales girls and bank employees are worst off, Grütz claims. The average wage for a shop girl is at present around nine hundred Marks a month but they often work below union rates in small businesses and earn less than five hundred. Only a few of the top sales girls receive as much as 1,200 Marks a month.

A bank cashier is paid a starting salary of nine hundred Marks a month, rising to only 1,400, though he may receive an extra month's or two month's pay a year. Grütz reports that a number of banks are already having to look for new cashiers among supermarket staff or barber's assistants.

Hans Willenweber
(Frankfurter Rundschau, 28 July 1972)

The new trend-mature workers wanted

Older workers have always been the first to go in the past. But have things now changed in their favour?

Reports from firms, labour exchanges and staff agencies show that a new trend is beginning to set in - the young man cult has been replaced by increased demands for the older worker.

Berlin Labour Exchange registered a slight upwards trend in the position of the over-45s in recent weeks, especially those wanting minor posts. North Rhine-Westphalia Labour Exchange found a continual rise in demand for all older workers from the whole of the service industries sector - there is no upward age limit.

A spokesman for the Schleswig-Holstein Labour Exchange stated that he could see a change in the situation and similar observations had also been made by the Labour Exchange covering the Saar. There are clear signs of this trend in

Chemists are in the best position of all graduates employed by free enterprise. Physicists are in second place. The position of engineers is worsening. Chemists reach about five thousand Marks a month before tax.

Grütz estimates that head surgeons earn between four hundred thousand and seven hundred thousand Marks a year, including fees from private patients. But, as in the case of lawyers, no more accurate information is available. Doctors with an independent practice are estimated to earn 125,000 Marks a year while lawyers claim they only receive 36,000 Marks.

But Grütz is rather dubious about the information he has been given in this respect. Lawyers working in private industrial concerns tend to reach the top salary groups more quickly than other professions.

Lawyers are most likely to attain everybody's dream and become a member on the board of one of the large private companies or concerns and earn big money. They are also most likely to rise to senior administrative posts. The special liking of Germans for precision and accuracy in solving all types of problems helps a lawyer to work his way up the ladder, Grütz comments.

Grütz reports that women usually earn less than men for the same work. They have difficulty in rising to senior positions. Even air stewardesses have to accept relatively modest salaries. Stenotypists and secretaries earn between 1,250 and 2,000 Marks.

Grütz reckons that there will be handsome pay increases in future. Chemists will be earning three times as much by 1985. But forecasts for employees in other branches are not so bright.

Even now computer programmers and operators are poorly paid despite their qualifications. They are paid a starting salary of 1,200 Marks and rarely reach a salary of three thousand Marks a month.

The demand for computer specialists will continue to increase rapidly. Only the demand for personnel to operate office equipment will keep pace with it. But there will still be call for more chemists, engineers, stonemasons, concrete-workers, fitters, radio and television technicians, technical draughtsmen, nurses, secretaries, teachers, chartered accountants, civil servants, salesmen, doctors and dentists. Grütz claims that the demand for farmers, printers, type-setters, bakers, painters and carpenters will drop.

Hans Willenweber
(Frankfurter Rundschau, 28 July 1972)

Vocational training for U.S. soldiers

American soldiers stationed in the Federal Republic are to be given the chance to work in factories here shortly before their discharge in order to gain the basic training for their future profession in civilian life.

The US Army has drawn up this programme to prepare soldiers for their future. Before ending their term of military service they will work for up to three months with Federal Republic firms, especially those in the technological sector.

The programme envisages in particular automobile manufacturing, radio and television repair-work and welding.
(Frankfurter Neue Presse, 28 July 1972)

Increased working hours

The number of working hours in this country's industry in 1971 was 0.4 per cent up on the previous year, rising to 37,640 million. The amount of time lost through occupational hazards and accidents at or on the way to work dropped by fifteen per cent to 177 million working hours.

These latest statistics published by the Head Association of Professional Organisations in Industry also show that 99 per cent of the 2.45 million people injured in industrial accidents in 1970 are back at work.

(Hannoversche Allgemeine, 25 July 1972)

Women executives in industry are discriminated against

Women executives in industry are paid much less than men - a survey conducted by the Association of Graduates and Executives Employed in the Chemical Industry (VAA) shows that the income of female graduates in 1971 was generally only 78 to 93 per cent that of their male colleagues.

Almost half the 297 female graduates interviewed stated that they were not adequately paid. Half of them said that they were discriminated against as far as promotion was concerned.

A large number claimed that the work they were doing was not appropriate to their training and qualifications. Twenty-eight per cent work alone, indicating that they do little more than routine work.

A comparatively high proportion (65 per cent) of the female graduates employed are unmarried. The VAA concludes that the industry does not like married women.

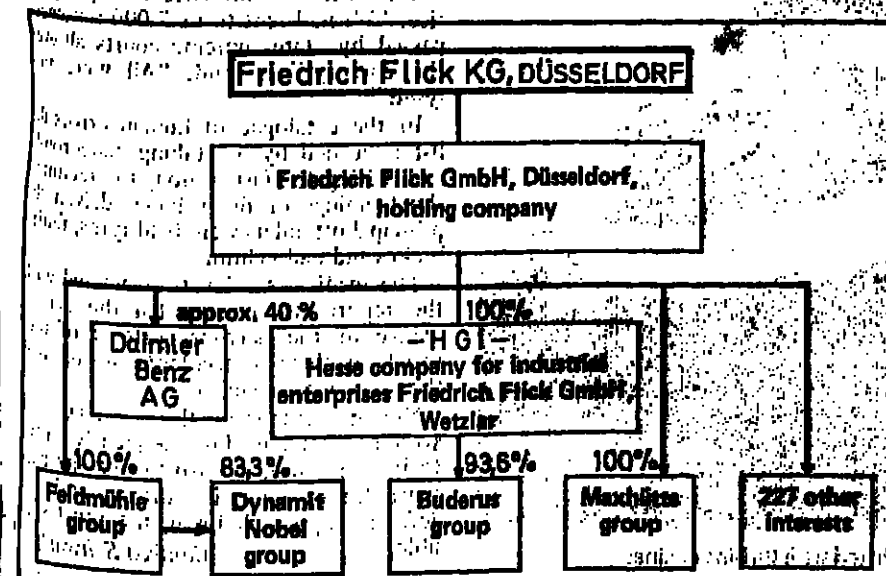
According to surveys, only ten of the 97 larger chemical firms organise day nurseries. Part-time working is only possible in twenty of these firms. The VAA claims that this attitude is incomprehensible as the firms are allowing costly investment (the years of training for the women) to go to waste.

Women are often made to do jobs that are not very popular among males - the VAA describes this as a more subtle form of discrimination.

But even more obvious forms of discrimination still exist - despite Basic Law. Of the women graduates employed by the chemical industry 27 per cent work in libraries, archives or data-processing; 23 per cent in research and development and fourteen per cent in analysis. But in the hierarchy of a chemical concern these branches are all at the intermediate or low level, the association claims.

(Handelsblatt, 26 July 1972)

Miller-Haeseler
(28 July 1972)



■ TRANSPORT

Bundesbahn unveils two new locomotives

More powerful locomotives and greater comfort are the keynote of the planning by means of which Deutsche Bundesbahn, the German Federal Railways, propose to compete more energetically with air travel and the private car for the domestic market.

The Bundesbahn's Munich region recently held an operational Press preview of the new 602 class gas turbine express locomotive, scheduled for use on inter-city routes, and the 614 class diesel locomotive designed for regional use.

Inter-city services have proved so popular that extra carriages have frequently had to be provided. If the scheduled speed of 160 kilometres an hour (100 mph) is to be maintained, more powerful locomotives are urgently needed. On the lookout for a more powerful but not necessarily bulkier or weightier means of propulsion the Bundesbahn development engineers hit upon the gas turbine.

Twenty-year-olds accident prone

Twenty-year-olds ought to take special care in road traffic. Statistically speaking — and all international accident statistics tally on this score — they are the most accident-prone.

The danger of involvement in a traffic accident is particularly serious for motorists aged between twenty and twenty-five. Surprisingly enough, even younger road-users do not fare quite so badly.

The number of juvenile two-wheeler riders involved in accidents may be fairly large but once they pass the driving test for motor cars many youngsters seem to show more common sense. Two-wheeler training would seem to be useful.

The critical period would appear not to come until young road-users have held their driving-licences for some time. To begin with they evidently take special care, only to become more careless, presumably because they felt more sure of themselves.

Insurance statistics indicate that the critical period lies between the third and fifth year of driving. Since most juveniles now take the driving test between the ages of eighteen and twenty their critical age in road traffic is thus between twenty and twenty-five.

For 1970 the Federal Statistics Office has worked out that 138,000 road-users aged between 18 and 24 were involved in accidents. Although the 25 to 34 age group is twice as large in number it accounted for only ten per cent more accident cases.

In the second-largest age group, the 25 to 44-year-olds, only 102,000 drivers were involved in accidents.

The statistically safest category of motorists is thus the 35 to 44 age group, but still older motorists do not fare so badly either. Precise details of their share of road traffic are not available but they show up well in statistics.

In 1970 only 40,000-odd motorists aged between 45 and 54 were involved in traffic accidents. This figure, it will be recalled, is only a quarter of the comparable figure for the 18 to 24 age group.

International comparisons reveal similar trends everywhere, except in the United States, where the bulge occurs at a slightly earlier age. A state survey conducted in Illinois reveals that the danger age there is between eighteen and twenty-one.

(Weser Kurier, 13 July 1972)



The unit that seemed most likely to live up to expectations was an American helicopter turbine generating 2,200 horse power that is manufactured under licence in this country by Klockner-Humboldt-Deutz.

Two experimental trains have so far been fitted out with gas turbine propulsion. Three more are to follow. For the time being they are to keep to a maximum speed of 160 kph but are designed to operate smoothly at 200, equivalent to 125 miles an hour.

They are scheduled to be taken into normal service this autumn but a number of trials must first be satisfactorily conducted. These include measurements of turbine and auxiliary engine performance, resistance and oscillation and piston shaft endurance trials.

Not surprisingly, a number of technical difficulties had to be overcome before the existing diesel engine could be replaced by a gas turbine costing 800,000 Marks. Special safety provisions had, for instance, to be made to ensure that the gas turbine is not overstrained.

If a certain rev count is exceeded for longer than two seconds there is a grave danger of the turbine exploding. Had safety provisions not been incorporated the driver might just as well have sat at the control panel of a powder-keg.

This danger has been obviated by the provision of both electronic and mechanical rev count warning systems.

Another difficulty is that power must only gradually be increased during starting and acceleration, otherwise the wheels spin. This too is a task that cannot be left entirely to the driver, who will now be assisted by electronic aids.

The noise problem, always a difficulty with turbines, has been solved by sound-proofing of the exhaust.

On electrified routes the hot exhaust fumes channelled overhead might, planners recoiled, damage the high wires. Special exhaust pipes were accordingly developed.

The 614 diesel, the second innovation previewed by the Bundesbahn's Munich region, costs 1.8 million Marks and is scheduled to operate on regular services from summer 1973.

It conveys an entirely new rail travel feeling for passengers: Carriages swing

inwards on bends. The traveller gains the impression of being in flight.

The backroom boys have thought up a long and complex name for the technique responsible for this phenomenon. What it amounts to is that carriages have air suspension and tilt on bends. The whole process is supervised by a complicated electronic system determining the exact angle of inclination.

Bundesbahn R&D engineers have taken great care over the styling of the 614. The locomotive has a restyled "nose", angled sidewalls and blood-orange flashes at window level.

The railways are growing increasingly colour-conscious and propose to make the beginnings of a new locomotive generation immediately apparent to the layman's naked eye.

Claus Höfne
(Münchner Merkur, 13 July 1972)

Behaviour certificate

Learner drivers must now, on application for a driving test, submit an official certificate of good conduct. This document is issued by the local authority where the applicant resides for the purpose of identity documents and certifies that the individual has not fallen seriously foul of the law.

On payment of a fee of five Marks the certificate will be issued and sent directly to the road traffic authority by the local government department in question.

A further amendment to the Road Traffic Act specifies that learner drivers who take their driving-test in a vehicle with automatic transmission may only be issued with a licence entitling them to drive vehicles so equipped.

(Frankfurter Rundschau, 26 July 1972)

Drunken drivers account for one accident in two

Errors of judgment on the motorist's part account for 93.1 per cent of traffic accidents, according to a research survey conducted by the neurological clinic of Frankfurt University Hospital in conjunction with 753 Federal Republic magistrates.

An even more alarming conclusion reached by the authors of the survey is that nearly one road accident in two is caused by driving under the influence of drink.

In an interview with *Hamburger Abendblatt* Professor Hans J. Bochnick, the head of the clinic responsible for the report, noted in connection with the overwhelming proportion of accidents due to human error that a technical failure of the vehicle driven had been to blame in only 5.2 per cent of the accidents covered.

The report is of the greatest of interest

New road traffic regulations

Learner drivers who pass their test only to be granted licences for vehicles of this kind. Licence-issuing practice is differed from one authority to another but this regulation is now binding.

It forms part of the catalogue of amendments to the Road Traffic Act which have now come into force in the Federal Republic of Germany. The full amendments are as follows: —

— The maximum speed for holders of Class 4 driving-licence is now 25, opposed to 20 kilometres per hour.

— A learner driver who takes his driving test in a vehicle with automatic transmission is only to be issued with a licence that does not make this stipulation may only be issued to motorists who can prove they have taken at least a one-hour driving lesson in cars of conventional floor or column change.

— Taxi drivers, chauffeurs and licence drivers must take a medical examination every three years. The purpose of the medical to determine whether they are mentally and physically fit to drive passengers. This provision previously applied only to drivers of public area vehicles.

— For all classes of vehicles there is a uniform log book and registration roadworthiness card. When folded it is the same size as a Federal Republic identity card. Currently valid documents need not, however, be exchanged.

(Welt am Sonntag, 23 July 1972)

■ TECHNOLOGY

Biblis nuclear power station built to withstand force 8 quakes

In Biblis on the Rhine Rheinisch-Westfälisches Elektrizitätswerk (RWE) of Essen are building what will for a while be the largest nuclear power stations on the Continent.

At the end of the seventies, though, the 1,300- and 1,500-megawatt units now under construction will, according to RWE, be replaced by 2,000-megawatt installations.

At the Essen head office of the largest power utility in the Federal Republic (RWE supply forty per cent of the market) plans are, in view of an estimated 100-per-cent-increase in power requirements over the next ten years, well under way for the eighties.

In the second half of 1974 the A block at Biblis is to start supplying electric power to the corporation's grid. By then the first 2,000-megawatt unit will have reached completion on the Essen drawing boards.

Biblis A will then operate for a further two years and the operational experience gained will be channelled into detailed planning for the larger installation.

The 2,000-megawatt reactor could be commissioned in 1976 or 1977, though no definite decision has yet to be made as to its location.

At the end of 1976 Biblis B will become operational and will also serve to provide practical experience that will benefit planning for its bigger brother.

The two Biblis units will have much in common to look at but there will be a number of differences due mainly to

growing awareness of the need for environmental conservation.

Originally water for both cooling systems was to be pumped directly from the Rhine. Now cooling towers are to be built, albeit subject to specifications that have yet to be laid down by the Hesse state atomic energy authorities.

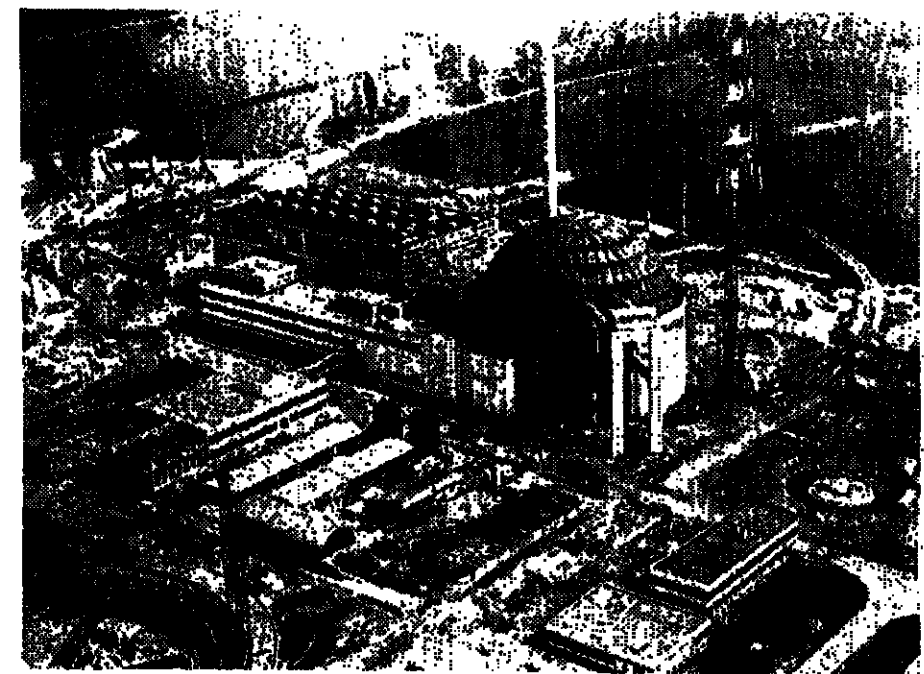
Instead of conventional cooling towers 170 metres (558 feet) high, fifty-metre (164-ft) ventilator cooling towers are to be built on the banks of the Rhine, two each per block at a total cost of 100 million Marks.

RWE had gained initial permission to use water pumped directly from the river for Biblis A but permission was subsequently withdrawn and to save endless trouble it was decided to build cooling towers for both reactors.

The coolant is by far from being the only environmental problem confronting the Biblis planners. The construction firms consider themselves to be pioneers in the field of allaying suspicions arising from growing environmental hysteria — or at least channelling them in a more common-sense direction.

Hochtief AG, the contractors responsible for concrete work, and Krupp's, the manufacturers of the reactor shield, which will have a diameter of 56 metres (184 feet), have had to cater not only for the possibility of an aircraft crash-landing on the power station but also for earthquake damage.

The authorities have specified security provisions sufficient to withstand a Force



(Photo: dpa)

8 earthquake, which would tear rifts in the concrete shell, and cause the roofing to cave in.

The likelihood of a Force 8 'quake ever occurring is, let it be added, fairly slight. A tremor of this gravity has never been recorded in the Rhineland.

Another emergency for which provisions had to be made was the explosion of a liquid gas tanker on the Rhine. "What would happen if an explosion were to occur in the vicinity of Biblis and hit the nuclear power station?"

This, then, was another question that planners had to bear in mind and it was only one of several borderline eventualities that had to be provided for, planning provisions also having to be made for sabotage.

The additional security provisions that

have had to be catered for over the past two years have, naturally enough, not been without effect on construction costs.

Open-air supply lines, cooling towers and the initial supply of nuclear fuel apart, Biblis A will cost RWE a fixed price of some 500 million Marks.

Kraftwerksunion, the Federal Republic nuclear power station construction consortium, agreed to build Biblis B only on condition that price increases were provided for.

Already Biblis B is to cost an estimated 830 million Marks, including 200 million due to price increases and 130 million resulting from additional environmental precautions.

Friedrich Spiegelberg
(Weser Kurier, 26 July 1972)

Frankfurter Allgemeine

ZEITUNG FÜR DEUTSCHLAND

One of the world's top ten

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The new Bundesbahn locomotive fitted with turbine engines

(Photo: DB-Bildarchiv)

(Hamburger Abendblatt, 26 July 1972)

■ PERFORMING ARTS

Tannhäuser at Bayreuth badly received

Since the death of Wieland Wagner the Bayreuth Festival has threatened to become more and more a centre for cultivating the traditional picture of Richard Wagner.

But it has now become a "Wagner workshop" once again. The new production of *Tannhäuser* by Götz Friedrich, the East Berlin producer, caused a great deal of controversy.

Some voices of genius were seen, suggesting that Friedrich really did have a valid new interpretation of Wagner, but the production eventually degenerated into the ridiculous.

The overall idea was new, Götz Friedrich sees *Tannhäuser* as an artist and rebel who comes into conflict with established society on the Wartburg as he wishes to uphold his differing idea of art uncompromisingly against their opposition.

The treatment of the first scene was also new. This stage is revealed during the overture, providing a view of the valley beneath the Wartburg. *Tannhäuser*, who has left the Wartburg after an argument, wanders through the world.

When the Venus motif in the overture is heard the scene changes to the Venusberg. It is not the world of reality but the vision of an artist submerged in himself.

And what a vision it is. He sees his beloved Elisabeth, who like him is opposed to Wartburg society, as the seductive Venus. Casting one singer in these two roles has been made necessary because of this interpretation.

Tannhäuser throws down his lyre and singer's cloak, divesting himself of the outward symbols of his artistry, and sees himself surrounded and enchained by giant harp strings.

Images of lust originate from the frustration caused by the demands of courtly love and the sexual repression this involves. "The Rape of Europe" appears on the horizon - the artistic legacy of centuries casts its menacing shadow.

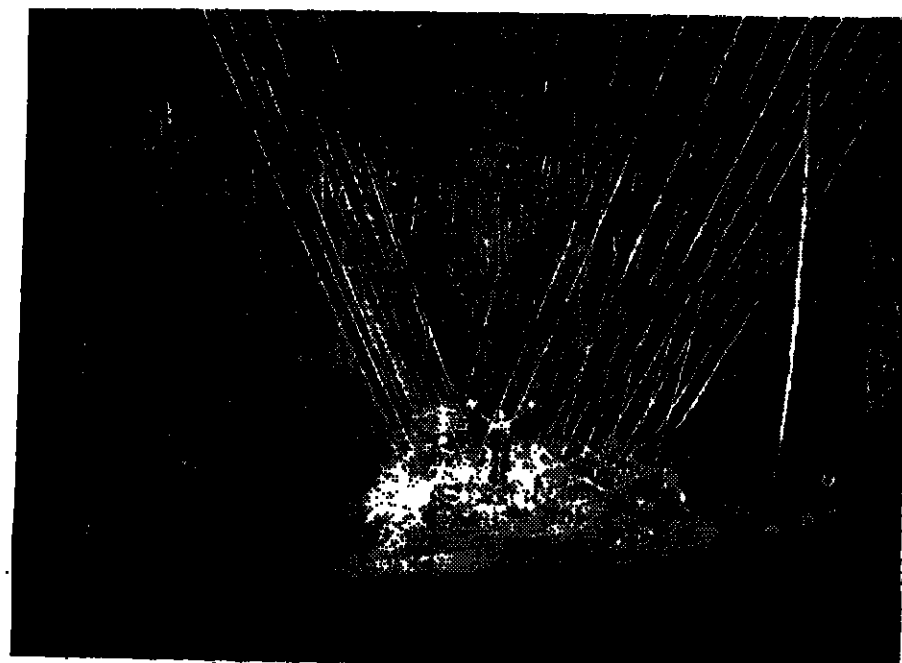
Tannhäuser sees the immortality of art and recognises his own mortality. Skeletal march by with steady step. The artist cannot endure this awakening and returns in flight to the Wartburg with its stable and non-reflective society. All the magic collapses and *Tannhäuser's* tragedy begins along with the tragedy of the production that had so much promise.

Friedrich lapses into polemics when depicting Wartburg society. A stout old count, his old cronies and his singers come in majestic litter. And if that was not enough stage designer Jürgen Rose built a singers' hall that reached to the roof of the stage.

The guests made their pilgrimage up this artificial hill - obviously a direct reference to the ascent up to the Bayreuth Festival Hall that lies a-top the Grüner Hügel. They wish to enjoy their art in solemn mood and edify themselves in pathos and emotion.

The Bayreuth audience was able to see itself in this distorted mirror as a race of stultified Gothic women, as nineteenth-century Prussian marshalls strutting about stage protected and supported by an army clad in SS robes ready at any moment to dispatch any trouble-makers. *Tannhäuser* is one such trouble-maker. He is a rebel. His ecstatic art cannot be seen in the light of edification and self-confirmation. The glorification of his ideal of love runs contrary to the rules and norms of Wartburg society. Sabres begin to rattle.

Elisabeth, herself a victim of this society as it seeks to strangle her love of *Tannhäuser*, rescues him from the attack

A scene from the controversial Bayreuth production of *Tannhäuser*

(Photo: Festspiele Bayreuth)

of these hired ruffians. She sets herself up against the court and, like *Tannhäuser*, has to pay for this with her life.

Act three shows them both in the throes of death. Nothing is possible outside society - Elisabeth and *Tannhäuser* found this out in the society of their own world.

The production shows that we need a different type of society. Friedrich believes that the Wartburg society is the same as today's society, exemplified in the audience watching the performances in Bayreuth.

For those who have not already drawn the correct conclusion Friedrich illustrates what this other society should look like in the final chorus. The stage is full of liberated workers still in their overalls and praising the merits of grace and redemption.

By defining the opera in these political terms, Friedrich diverts the audience's attention from the fate of *Tannhäuser* as an artist and that of Elisabeth as a person. He rules out any new interpretation of the work. He abuses anger and indignation instead of intellectual discussion.

The storm of protest was directed against everyone who had anything to do with the production. It was directed unjustly against the chorus and its head Norbert Balloch who has taken over from Wilhelm Pitz and made it sound fuller, more committed and a little less remote.

The audience objected to conductor Erich Leinsdorf, who did not manage to build up the music to monumental proportions but did well in achieving a certain amount of balance and sensitivity. His "dot" and "disturb" interpretation was well in keeping with the production.

Abstract, baseless, choreography would not have fitted in with the overall idea behind the production. It was therefore up to John Neumeier to invent a choreography for imaginative figures such as nymphs and fauns. But Neumeier, head of the Frankfurt ballet company, put as much movement and emotion as he could

into the production. The Bayreuth audience was able to see itself in this distorted mirror as a race of stultified Gothic women, as nineteenth-century Prussian marshalls strutting about stage protected and supported by an army clad in SS robes ready at any moment to dispatch any trouble-makers.

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of these hired ruffians. She sets herself up against the court and, like *Tannhäuser*, has to pay for this with her life.

these scenes as only a first-rate choreographer can.

Gwyneth Jones' voice seemed ruined twelve months ago but it has now made a splendid recovery. Her voice still sounds rather shrill and fatigued at times - this was clear in her role as Venus - but she sang the part of Elisabeth with passion and ecstasy.

Hugh Bersford played *Tannhäuser*. The brittle and throaty voice of his former baritone is not quite up to the demands of the scene on the Venusberg and the second act.

His voice is far more suited to the aria recounting his pilgrimage to Rome. Here he summoned up all his talents to put in a performance rarely heard from (singers singing Wagner today).

Hans Sotin played the count - a bass part - and Bernd Weikl sung Wolfram with his lyrical though full-bodied baritone voice. Neither of these singers possess the maturity of their great predecessors in these roles but both have the voices that could help them become accomplished interpreters.

Reinhold Beuth (Kölner Stadt-Anzeiger, 24 July 1972)

New productions at Bad Hersfeld Festival

Once again three new productions are planned for the 1973 Bad Hersfeld Festival. Shakespeare's *Much Ado About Nothing*, Rostand's *Cyrano de Bergerac* and Arthur Miller's *Witch Hunt*. *Witch Hunt* may however be swapped for Arthur Miller's new play *The Creation of the World and Other Business* that is being given in German-language premieres in Hamburg's Thalia Theater and Zuckmayer's *Rattenfänger* may replace the Shakespeare comedy.

The Ulrich-Erfurt production of Bertolt Brecht's *Threepenny Opera* is planned for inclusion in the new season's programme. (Die Welt, 26 July 1972)

Bayreuth plans

Wolfgang Wagner stated that there will probably be no new productions in Bayreuth next year. Instead the Wolfgang Wagner production of *Mistral* will be reintroduced into the repertoire with a different cast.

A new production of *Tristan* is planned for 1974; a new *Parsifal* for 1975 and a new production of the *Ring* for 1976, the centenary of the Bayreuth Festival.

This year's Bayreuth Festival programme consists of a new *Tannhäuser* production by Friedrich Götz, the Wieland Wagner production of *Parsifal* staged

by Nuremberg producer Hans-Peter Lehmann and two Wolfgang Wagner productions - *Lohengrin* and the *Ring of the Nibelungen*.

Horst Stein is conducting the *Ring*. Eugen Jochum *Parsifal* and Silvio Varviso *Lohengrin*. Sixty thousand visitors are expected to attend the Bayreuth Festival this summer. All performances were sold out months ago. Four hundred critics from all over the world have come to Bayreuth.

(Frankfurter Allgemeine Zeitung für Deutschland, 25 July 1972)

At the theatre and opera next season

The number of premieres appearing in theatre programmes in the coming season is far greater than could have been expected from the insecurity and uncertainty caused by so many changes of management in the larger theatres, during the past season.

The broadest range of premieres in first performances can be seen in the Wolfgang Fortner's *Elisabeth*. This being given its premiere in the Bayreuth Oper and audiences will also be able to see new productions of Alexander Dargomyzhsky's *Prince Igor* and Antonio Vivaldi's *La Gioconda*.

Horatius, a drama by playwright Friedrich Müller from the German Democratic Republic is being given its premiere at Schlossparktheater where audiences will also be able to see a production of Thomas Bernhard's *Der Ignorant und Wahnsinnige*.

The Bavarian State Opera plans a production of Offenbach's *Tales of Hoffmann*. Wolfgang Fortner's *Elisabeth* and Richard Strauss' *Elektra* and Wagner's *Parsifal*. Munich Theatre is staging new productions of *Die Alben* by Hans Wesker, Eugene Ionesco's *Macbeth* as *Tricouche und Cacouche* by Melville Halévy.

Hamburg State Opera will stage three premieres in the coming season. Walter Steffen's *Under Milk Wood* on the Dylan Thomas play, the children's opera *Alo, mein Alo* by Cornelia Reganay based on the book of Mark Lindgren and the *Cybernetic-dynamic Games*, a Nicolas Schöffer production.

Hamburg's Thalia Theater will be staging Arthur Miller's new play *The Creation of the World and Other Business*. The Deutsches Schauspielhaus in the city plans to stage the premiere of *Die Hypochondrie* by theatre critic and dramatist Botho Strauß. The Junges Theater is putting on *Don Quixote in El* by the late Pastor Hartmut Sierich.

The Württembergisches Staatstheater Stuttgart is also staging three premieres. *Die Antelle der Arbeit* in the *Wendung des Affen* by Tankred Dorst, *Wunschkonzert* by Xaver Kretz and *Gedenktage*, a montage compiled by dramatic advisers at the Stuttgart theatre. Miroslav Kizica's *Gallien* and Detlef Spörig's *Changling Room* are also being performed.

Göteborg is staging the premiere of Peter Rühmkorf's *Die Handwerker* by Peter Müller, Müller's *Sam Sam* as well as productions by Trevor G. Hines' *Black Sheep* by Samuel S. Kaufmann and Moss Hart and Bill Stager with *Happy Hours* by Charlie Wood.

In Bochum Peter Zadek is premiering Xaver Kretz's *Dolomitenstadt* and Hans Fallada's *Kleiner Mann* was written by Michael Weller's *Die grosse Sportler*. Mike Stott's *Boston Stranger*, Lewis Carroll's *Alice in Wonderland* and Tankred Dorst's *Elzelt*.

Pavel Kohout's *Armer Mörder* and Peter Rühmkorf's *Und was heisst hier? Shm?* are being premiered in Düsseldorf. Two premieres can be seen in Göttingen - Sartre's *Im Räderwerk* and Peter Hacks' *Columbus oder die Weltreise auf Schiff*.

In Frankfurt, Peter Palitzsch's new field of activity; audiences will be able to see the premiere of Gerhard Zwerenz's *In der Ebene* and Milla Höpfer's *Das Tier* based on the case of child murderer Jürgen Bartsch. Yuri Olesha's *Conspiration of Emotions* and Edward Bond's *Lehr* are also being performed.

(Bremer Nachrichten, 26 July 1972)

■ ARTS FORUM

New Arrabal play performed in Berlin

Speaking of his latest play *Der tai-sendjährige Krieg* (Bella Ciao) Fernando Arrabal says in high spirits that in the past he wrote only from "inspiration". This play on the other hand was written while he was "surrounded by friends who had exact ideas of politics and the solutions to abuses. My only task was to translate their discussion into dramatic tableaux... This play is the outcome of an uplifting collective adventure."

The first performance of it in the Federal Republic took place in Berlin's Forum Theatre which is booked out. The Spanish dramatist now lives in France.

It was directed by Klaus Hoyer, but only two-thirds of it because he fell while pole-vaulting and had to be taken to hospital. The company was responsible for completing its own direction. The premiere was belated and took place on one of the hot summer evenings in Berlin that turn the little Arenatheater into a sauna!

The actors marched up and down, sweating from the outset as the audience took their seats. Their boots clattered as they followed the partly intelligible commands given by a man in a wheelchair wearing brightly coloured garb.

He was supposed to represent "culture". The group of "unhappy", partly male, partly female wore dishevelled blouses and black trousers with combat knives attached.

At the beginning, however, the actors are not a jungle combat troop but an

embodiment of the press, sport, television and art - media and means by which the masses can be manipulated. For a certain time a question and answer game develops in which sport answers culture's question as to what its role might be. The answer: "To incite nationalist tendencies!" At this two actors madly pedal away on training cycles.

The whole dialogue is in a partly intelligible barking tone and the actors wear crowns over their teeth, some of them blackened, so that they look like vampires with bad dentures.

This fact that they spit as far as they can while speaking is typical of the style of the play. For Arrabal is not out to analyse poor circumstances, and it is not anger that fills him but blind rage which expresses itself in obscene gestures.

So he had a writer who prated a lot of high falutin words wipe his backside with *Das Kapital*. The paper used for this purpose was then sufficed by all with great delight and pronounced with enlightenment: "A new best seller! Memoirs of the master."

On several occasions there is a simulation of the process of giving birth, even by the actor who represents culture. After great labour pains he gives birth to the Nobel Prize.

Then the stage is converted into a rugby pitch. The conservatives of the New World are matched against the traditionalists of the Christian Occident. The prize is the "Golden Ball", that is to say gold and dollars.

The rugby players are the "new colonial army". They overcome an aboriginal, "The Third World", undress him and extirpate him bit by bit which in Arrabal's language means that colonialists exploit natives for copper, nickel and uranium and the like.

The play continues with symbolism in a similar vein. The naked man who embodies revolution as a siber is cut down. The graphic artists and sculptors in the Confederation will be showing contemporary art in the Federal capital.

The works will be on show till 15 October. In addition open-air sculptures will be on display on the university campus. At the moment a panel of judges is choosing exhibits from 1,800 works submitted by 600 artists. Four hundred will be put on show.

(Die Welt, 25 July 1972)

Book fair

Publishing houses from 53 different countries have announced their intention to take part in the 24th Frankfurt Book Fair from 28 September to 8 October this year at the Frankfurt Fairground. According to a new preview published in the official magazine of the Federal Republic, booksellers *Börsenverein* of 1972 fair will be almost as large as in previous years from the point of view of the number and size of the stands and the surface area covered.

A special exhibition "Books about books" will be organised for the international Year of the Book, which, according to the *Börsenblatt* will be attended by 33 countries with about 1,200 titles.

Within the framework of the exhibition of "the most beautiful books" there will be the life work of the 1972 Peace Prize winner Janusz Korczak who was murdered by the National Socialists. The posthumous award of the prize will take place according to custom on 1 October in St Paul's Church, Frankfurt.

(Die Welt, 26 July 1972)

A scene from Arrabal's *Bella Ciao* produced in Berlin

(Photo: Ludwig Binder)

Berlin exhibition of Gastarbeiter art

In the right hand a shabby suitcase. In the left a paint brush and palette. The man who obviously comes from the sunny south is balancing on a rope. Underside him there is a crowd of people presenting not human faces but a mass of opened umbrellas.

This is the picture by which an amateur painter from Iran, who has been a *Gastarbeiter* (foreign "guest" worker) in Berlin for a number of years, depicts his situation in this foreign country. He does not describe the money he has made nor his opportunity to paint on a shabby canvas.

Nevertheless his artistic work can now be seen at an exhibition organised by a young social worker, who has moved by the specific problems of foreign workers and who managed to obtain examples of the artistic creations of *Gastarbeiter* after much painstaking work phoning around various firms in Berlin.

The pictures, photographs, sculpture and material collages of the 22 foreign workers show a naive joy in being able to express themselves by means of art, criticism of their life as underdogs and unbounded aggression.

Transitions and nuances of motivation make the exhibition - which received very little financial aid and was paid for by the exhibitors themselves - more

stimulating and informative than many a self-conscious exhibition by a professional painter.

We witness how talents can be formed without outside aid, without prompting, how strong emotional springs can overflow without inhibitions, and how it is possible to produce a triumphal work without mastery from a seemingly hopeless position. The range of expression and reflection extends from photographically documented images to an enchanted environment (which always has flashbacks to overcrowded communal kitchens and the like) and to Surrealist escapades, recalling childhood, in the good and at least familiar world of home.

Most look back to their homeland, but those who do not tend to paint an unflattering picture of their host country in pictures and words: "Homes, dingy suburbs, cheap pubs, this is the world in which I must live and make myself feel at home." But the *Gastarbeiter* sense they do not need to be made to feel at home. They feel it would be enough if they were made to feel adult.

Then there is an outbreak of spiritual misery. The foreign workers call a spade a spade when it comes to their traumas. Others make model aeroplanes from kits in the miserable hovels where they live. Making pictures is something they have all learnt in the climatically and humanly frigid alien world, obviously under the influence of their own culture, be it high or low.

Some adapt the proverbial stag at bay attitude, the others Schwitters' and Beuys. One young Iranian filled his cupboard with "individual mythologies" that would not have been out of place at documents in Kassel. He was laughed at by the others whose works were put on show for portraying "the unknown and hated man on the ground floor to the left". He was considered "wild" for doing this.

Beneath the self portrait in an old-fashioned lounge jacket with gas mask the *Gastarbeiter* who works as an interior decorator had stuck a note saying: "You can see that this type of artistic creation always gets a response from somewhere and does not just hang ignored on the wall."

The timorous appeals this exhibition should go out to people and institutions who have written the slogan "improvements to the quality of life" in their memo pads and mean it not only for firmly integrated citizens.

(Frankfurter Allgemeine Zeitung für Deutschland, 14 July 1972)

Vincenzo Scotti's *Bathers*

(Photo: Ludwig Binder)

EDUCATION

No equality for girls at school, Ebert Foundation report reveals

Forty-nine per cent of all primary schoolchildren are girls. Only 43 per cent of children at high school are girls and girls only make up 39 per cent of those who pass their school-leaving certificate examinations.

Only 25 per cent of university students are females and girls only make up 23 per cent of graduates and seventeen per cent of postgraduates who have gone on to take and pass their doctorate.

The proportion of females in education drops as standards become higher, according to these figures compiled by Monika Langkau-Herrmann and Jochem Langkau of the Friedrich Ebert Foundation in Bad Godesberg as part of a report on educational and career opportunities.

A similar tendency is to be found in career training. Girls and their parents still do not feel that they have as much need of career training as boys.

One year 42,482 girls with a general school-leaving certificate compared with 23,735 boys consulted the career advice service with a view to taking up immediate unsuited employment. That amounts to 11.1 per cent of all young females seeking advice from the service but only 5.5 per cent of young males.

The Friedrich Ebert Foundation report also deals with the restriction of education and career training for girls to a small number of subjects and professions.

Forty-two per cent of girl students take either medicine, German, English, primary education or secondary education teaching training — five subjects out of a total range of 75.

Ninety per cent of female trainees compared with 28 per cent of the males go into office and service industry jobs that are usually considered typically female. As many as 11.2 per cent of the female trainees were in the hairdressing trade.

The report states that the career training situation of women had indeed improved far more in the long term than that of males. But there are still extreme differences between the education and training of males and females as far as eventual qualifications are concerned.

The report criticises the fact that the 'old claim of women being less suited for jobs in the scientific and technological sector still holds sway despite more recent scientific evidence. The need to develop systematically the abstract capabilities of girls is intentionally suppressed in the process.

The report does not want as many women as possible to be forced into the technological and scientific sphere against their will. It does not want differences of sex to be completely eliminated.

But it does want girls to have their ability of independent decision-making expanded by eliminating social factors that restrict their latitude of behaviour and decision. This aim is important as technological and scientific jobs will play an important role in the future.

Further education

Every tenth person born between 1916 and 1950 takes further education courses, according to figures issued by the Federal Bureau of Statistics, Wiesbaden.

The statistics show that between 1965 and 1970 ten per cent of the 17.5 million people in employment took courses in further education, 350,000 people took courses in re-training.

(Neue Ruhr Zeitung, 6 July 1972)

Kieler Nachrichten

Professor Helge Pross of Giessen provided evidence for the theory that the small proportion of girls studying science and technology was not due to their natural lack of talent but had social origins. She pointed to the Soviet Union where even ten years ago a third of all engineering graduates were women.

Professor Pross is scathing in her comments on the attitude of some of her colleagues to the role of women: "As far as the educational ability of women is concerned, professors distinguish themselves by the prejudice commonly associated with the petty bourgeois of caricature."

The reason for the different education given to boys and girls can also be found among parents — it is not completely the fault of the education system.

In their study on women's career prospects Monika Langkau-Herrmann and Jochem Langkau refer to other surveys showing that it is far rarer for a girl to break out of the family environment than a boy.

This is due mainly to the stronger social controls to which girls are exposed within the family. Parents supervise the daughter's contacts outside the house to a large extent and control how she spends her time.

Eternhaus und Schule is the first attempt to put the subject of the links between home and school into an international perspective. Eight articles deal with various aspects of this subject in Britain, the United States, the Federal Republic, the German Democratic Republic, the Soviet Union, France, Japan and the Netherlands.

The writers show that the links between home and school are determined by the respective political systems and national educational tradition. But despite these considerable differences the countries dealt with have some problems in common — for instance disinterest on the part of the parents or the attitude of teachers and headmasters who find parental activities bothersome.

The part played by parents in education is strongly influenced by the ideological nature of the system in which they live. Communist countries can pass laws to increase contacts between parents and schools. The pluralistic society can do little more than appeal to parents.

"Democratic Socialism" provides the guiding principle in the German Democratic Republic: "The scientifically-based educational aim demanded by society is to be accomplished via the means and methods of the subordinate institution — in this case the family."

The participation aspect of democracy in the German Democratic Republic can be seen in this social sphere. Here too citizens are to cooperate as much as possible in organs of self-administration. We know of no empirical survey of the results of such a system but it cannot be ruled out that an obligation to cooperate could easily lead in the end to unproductive zeal.

The contribution dealing with the Soviet Union shows the extent to which the function of the family in the maintenance of order is stressed — a departure from the ideas of the October Revolution.

A considerably higher proportion of girls spend their free time within the family circle and the influence of their parents on the type of education they have is greater than in cases where only boys are concerned.

A survey conducted in America shows that parents demand increasing independence from boys and gradually give up supervising their actions. But they tend to become stricter as the daughter of the house grows up.

The parents' attitude still reflects the old idea that their daughters still need constant care and protection. No consideration is paid to the changing position of women in society.

As a result, girls are often dependent and passive way into adulthood. Boys leave this stage behind in childhood. If they get into difficulty at school, girls are usually more discouraged by their parents than boys and receive less support.

Apart from the lack of equality of opportunity in the education and training sector, the Friedrich Ebert Foundation report also dealt at length with questions involving the labour laws, the right to equal pay, the right to equal job security and tax questions.

Maximum and minimum age limits also tend to restrict the career opportunities of girls. They leave secondary school at the age of sixteen. If the minimum age of entry to a vocational college is eighteen, they will often give up their original plans and begin a career training course immediately.

Women wanting to begin a course of career training after raising a family are often prevented from doing this because of the upper age limit imposed. Would-be nurses and social workers are not allowed to begin career training courses if they are older than 32 for example. The law must step in here.

Gerhard Weise

(Kieler Nachrichten, 21 July 1972)

New book discusses link between parents and schools

In Soviet society parents are not granted any needs of their own that run contrary of the interests of State or public institutions.

Things are different in the Federal Republic. Basic Law described both parents and schools as legitimate providers of education. The section on the Federal Republic is an attempt to revive a debate that unfortunately ground to a halt many years ago.

This section is of particular interest because of the current debate on amending the school administration laws and providing more democracy in the schools. The parents too are approached here despite being treated as a negligible quantity in previous discussions.

In his preface Schleicher warns of the consequences of excessive decentralisation of the education system and the increasing autonomy of schools. Care must be taken that the democratisation of schools does not lead to a considerable increase in the inequality of educational opportunity, thus paralyzing the whole education system.

Looking at the situation in the United States — Schleicher is an expert on American education — this warning is not just being made for the sake of it. Politicians would be doing a disservice to a democratic education system if more student participation were to increase the inequality of educational opportunity by conforming to the existing educational and professional expectations and to specifically local or class interests.

That comparative research into the role of parents can be important is shown above all by Schleicher's articles on

'Study year' to replace semester

By 1975 universities in the Federal Republic will work according to "study year" instead of dividing work into two semesters, Federal Education and Science Minister Klaus Dohnanyi stated during his explanation of the latest decisions reached by the Joint Central Government-Federal Science Commission for Educational Planning.

Von Dohnanyi stated that every student invested into education must be tolerated a state of affairs in university buildings were only used seven and a half months a year.

By introducing a study year, the period of study will be raised to at least nine months a year. University capacity could then be raised by between 100 and 120,000, equivalent to a saving of a thousand million Marks.

Minister von Dohnanyi stated before the study year could be put into operation connected problems such as extra work involved for university teachers and other staff must be settled.

(Die Welt, 11 July 72)

Proposals to teach law in schools

Law is soon to be introduced as a school subject if a demand made by the Judicial Academy in Hamburg is accepted. Pupils would be shown how law settles disputes and offers protection to society and the individual.

Pupils would also be made aware of the position of the citizen in the community, his rights and obligations and the reasons on which he can claim them. Lawyers would teach the new subject after initially planning their lessons with educationalists.

(Welt am Sonntag, 2 July 1972)

Britain and the United States. When he deals with immigrant children in Britain he is touching upon a problem which is just as immediate in the Federal Republic — and likewise unsolved.

As many as 17.8 per cent of school children in Inner London are from the immigrant community. In Hamburg the figure is as high as thirty per cent. The children are at a disadvantage and, Schleicher claims, help will not be forthcoming until their cultural and domestic background is considered and their parents not excluded from the process of education. Both the London school authorities and the educational bureaucracy in cities in the Federal Republic are not adequately equipped to deal with this.

Particular attention should be paid to this country to the section on parental involvement in pre-school education which is to be found in the chapter on America. Schleicher discusses the Head Start Program that has now started

Eternhaus und Schule. Kooperation ohne Erfolg? (Home and School — Cooperation without Success?) Edited by Klaus Schleicher. Published by Pädagogischer Verlag Schwann, Düsseldorf. pp 245. Price: 18 Marks.

to try and include the cause for children's educational shortcomings — the parents — in the programme.

Compensatory education intended to make up for the shortcomings of the parental home is considered problematical and not very likely to succeed, Schleicher explains. Preventive measures such as a change in the parents' attitudes are considered more sensible than compensatory treatment. Success at school also depends on the child itself and the child in its turn usually depends on the parents' own views on education.

Dieter Mohrhardt

(Süddeutsche Zeitung, 21 July 1972)

SCIENCE & TECHNOLOGY

Moon expert makes public startling research discoveries

Today, three years after the first man stepped on to the lunar surface we almost know as much about the Moon as the Earth," Professor Wolfgang Gentner, head of the Max Planck Institute for Nuclear Physics in Heidelberg, claimed at a meeting arranged by the Siemens Foundation to discuss the work of physicists, chemists, mineralogists and geologists engaged on research into moon rocks and dust.

This was a break with tradition — normally nothing is made public before the annual conference in Houston, Texas, of all scientific teams supplied with material from the moon.

Professor Gentner, this country's top lunar specialist, restricted his report to a number of particularly spectacular discoveries made by his institute. Erosion for instance took place on a planet where there was no water and no atmosphere. This could be seen clearly on all pictures of lunar craters — there were more recent examples with sharp contours and old ones which had been worn down during the passage of time.

There is no water on the Moon — instead it rains glass. There is no atmosphere, only a solar wind of plasma particles consisting of hydrogen and helium. There are no volcanoes on the Moon as we know them on Earth. Erosion caused by differences in temperature is impossible as the rocks do not contain any water.

The craters are all the work of meteors and comets. There is no atmosphere to arrest their fall and they land at such a speed and make such an impact that the rock melts and evaporates. It falls to the surface again in a rain of small glass drops.

Glass particles of this type were found in the large green rock from which the Apollo 15 astronauts gained so much pleasure. The Americans sent a piece of this rock to Heidelberg.

The first subterranean gasometer on the European continent was recently put into operation in a rock-salt fold a little less than a mile beneath the south end of the city of Kiel.

The salt cavern, built by the Federal Republic branch of Texaco and stabilised by means of artificial ageing techniques, has a capacity of about 32,000 cubic metres and represents a pioneering achievement in the geotechnical sector.

In the United States there are about six hundred salt caverns of this type used to store unrefined oil. Fifty subterranean caverns are also used for storage purposes in Europe and about thirty of them were formed from rock-salt layers.

But gasometers of this type are few and far between — the only previous examples are in North America and Britain. Overcoming the special difficulties involved in stabilising the salt cavern beneath Kiel has given engineers sufficient experience and know-how that will be a particular benefit when building further reservoirs of this type in future.

The cavern at Kiel was formed by flushing fresh water through the underground layers of rock-salt — the normal method. The rock-salt loosened by this flushing process was channelled into the cavern without any detrimental effect on the environment.

The three-hundred-foot high pear-shaped cavern was then pumped dry so that the city's gas supply could be stored there. But the engineers were in for a shock even before all the water had been pumped out.

Professor Gentner can now explain why the Moon shines so brightly despite the fact that it is only reflecting sunlight — it is covered by glass particles that reflect the sunlight in much the same way as the reflectors on a bicycle in the cat's eyes on roads work. Incidentally, these glass particles can also be found here on Earth in a wide area of the Pacific around the spot where a large meteor once landed.

Erosion does not occur overnight. Armstrong's first footprint will probably remain on the Moon's surface for about one million years. The flow of cosmic dust will then have completely covered it.

Speaking of cosmic dust, the whole galaxy is full of it, both large and small particles. The planets and their moons fly through space and their gravity attracts it like a vacuum cleaner.

The fact that few craters have been formed in recent times (measured on a time scale of 3.8 million years ago to today) is due to the planet's vacuum-cleaner attracted to the surface in the first few milliard years.

"Nothing much has happened on the Moon in the past milliard years," Gentner says. An average of seven meteorites weighing more than one hundred grams hit the Earth every year. Scientists in Heidelberg can tell when and how much dust fell on the Moon by examining the micro-craters on the glass beads.

Research at the Max Planck Institute in Heidelberg has also shown that the Moon can never have been so hot as the Earth. Its temperature never exceeded 1,500 degrees and it cannot therefore have been part of the Earth.

The Moon formed on its own. It was built up from cold cosmic particles through the condensation of firm material and small bodies. "Large bodies always grow at the cost of small bodies" — look at the droplets making up a raindrop. But why is the Moon round?

Kiel's subterranean gasometer

The water level began to rise slowly but surely as soon as the pumps were switched off. The only possible explanation was that the cavern could not resist the pressure being exerted by the masses of rock surrounding it and was threatening to cave in.

To save the cavern, water was once again pumped in and the pressure thus exerted prevented any further shrinkage of capacity. The geological examinations then made revealed that the shrinking of the cavern was due to the unexpected flexibility of the rock-salt walls.

This in its turn is due to the fact that Kiel is astonishingly hot at this level. The temperature at a depth of five thousand feet is usually about fifty degrees centigrade but the thermometer in the cavern registered seventy degrees. At this temperature rock-salt begins to melt, especially under high-pressure conditions.

Engineers had no experience of how rock-salt reacted at this temperature but they did know that the salt need now flow ad infinitum because of the conditions in and around the cavern.

By recrystallising and rearranging the salt crystals it is possible to adapt the melting salt to the change in conditions giving it the necessary stability.

To prevent the cavern falling victim to

When such a collection of rock and dust grows, it automatically becomes round because of rotation.

But where does all this dust come from? Probably from the original explosion. When asked whether there really was any such thing, Gentner qualified his previous answer by saying: "Or a number of explosions around the birth of time."

Little carbon was found in the rocks brought back from the Moon — that would have been impossible as none is to be found in the solar wind. "That is why there is no biology on the Moon." The usual quarantine for the astronauts could therefore be dispensed with.

Have the Heidelberg researchers finished their scientific analysis of the moon dust? Will any more sensational facts be made known in the near future?

The scientists have learned most of what is to be learned from the dust, glass and mini-craters by means of the scientific methods possible today. But only about twenty per cent of the material brought from the Moon has in fact been distributed — the rest is stored under lock and key in America. In twenty years time perhaps methods for examining stone will have improved to such an extent that researchers will be able to achieve results we can only dream of today.

Arnd Rühle

(Münchner Merkur, 13 July 1972)

Schottky Prize

This country's Physics Association plans to award a Walter Schottky Prize for Physical Research annually from 1973 onwards to scientists who have done outstanding work in this field.

The Prize has been established in honour of Professor Walter Schottky, 86, who has worked at Siemens for many years now. It is linked with a cash award of five thousand Marks — donated by Siemens — and will be offered to scientists who come from outside the Federal Republic as well.

Walter Schottky, once a pupil of Nobel Prize-winners Max Planck and Wilhelm Wien and later professor of theoretical physics at Rostock University, has been a decisive driving force behind the progress made in many branches of physics, especially electronics.

(Die Welt, 18 July 1972)

the pressure exerted by surrounding rock and ensure that the eight-million Marks invested in the project were not to be wasted, Texaco developed an unusual method — the salt cavern was made older by artificial means.

Four times within three years the internal pressure of the cavern was alternately increased and decreased by flooding it and then pumping away the water again. This was meant to accelerate the rearrangement of the salt structure.

The walls of the cavern became more stable after every pumping operation. The water level only rose slowly when the pumps were switched off. The salt walls had become accustomed to the change in pressure and the cavern could be prepared for its reservoir function.

The latest measurements concerning changes of pressure show that the cavern — today with a 38,000 cubic metre capacity — will only have shrunk by about two thousand cubic metres in fifty years time. But the inside pressure must not drop beneath eighty atmospheres for quite a long time or else the stability of the rock-salt walls could be affected.

This modern gas storage method has only one drawback — the gas drawn from the cavern must be cooled from a temperature of seventy degrees before it can be fed safely into the city mains.

But this disadvantage is more than balanced by the relatively low costs involved in building the new gasometers — only a little more than ten per cent of the costs for a conventional-type gasometer.

Harald Steiner

(Die Welt, 13 July 1972)

Leibniz — the father of cybernetics

The Leibniz Society recently invited some 130 scholars from a variety of fields to Hanover to report on their work on the life and achievements of writer and philosopher Gottfried Wilhelm von Leibniz (1646–1716), one of the world's greatest intellects.

The success of congresses of this type can usually be judged according to two criteria — the thoroughness and standard of discussion and whether any new facts are revealed. Judged according to these criteria, the second International Leibniz Congress was a success.

Education and Science Minister Klaus von Dohnanyi was warmly applauded when he stated in his opening speech that the government would not be tied to the principle of profit-making and practicability when distributing public money.

Though it was justified to call for backing to be given only to projects that were socially relevant, he said decisions on whether or not to support research programmes should not be allowed to present an obstacle to those disciplines whose direct benefit may not be immediately obvious. The Minister stated that a programme to support the social sciences would be drafted during the year.

The extensive agenda included more than one hundred separate lectures — split into 22 sectional and two general sessions on philosophy, theology, social and economic history, psychology, aesthetics, technology and medicine.

But this is only in keeping with the incredibly versatile and comprehensive work of the famous philosopher and mathematician. Research centres in Hanover, Münster and East Berlin have still not fully evaluated the large number of writings found in his literary estate. Leibniz, according to Frederick the Great, is not a scholar, he is a whole academy.

Professor Voisé, a Polish researcher from Warsaw, commented: "Leibniz was the last really great universal genius. His ideas have come down to the present age via many generations of philosophers. It was high time to make up for the striking disinterest posterity shows for this man."

Professor Voisé's talk on Leibniz's treatment of legal and social questions aroused great interest. Voisé showed that Leibniz's research and philosophy aimed at more democratic government through the enlightenment of the ruling classes.

Among Leibniz's ideas for a better world were social security insurance and an astonishingly modern formulation of the citizen's right to work. Voisé stated that special respect should be paid to his idea of a system of law that was not primarily a demand for obedience towards the existing legal norms but worked towards the perfection of the individual and the realisation of the principles of justice.

The climax of the congress was the talk by Professor von Mackensen of Munich based on a little known manuscript — *Machina arithmetica dyadica*. Professor von Mackensen elucidated how Leibniz's philosophical, mathematical and technical philosophy still had strong influence in a distant future he had foreseen.

Leibniz's ideas on symbolist logic, the introduction of the system of binary numeration and the invention of the first calculating machine that could add, subtract, multiply and divide — today in the possession of the Leibniz Archives, Hanover — made him the father of modern cybernetics. He thus created the practical and theoretical basis for modern computer technology. Norbert Wiener, the founder of modern communications science, was therefore able to refer to Leibniz's pioneer work. Ernst A. Runge

(Kölnischer Stadt-Anzeiger, 25 July 1972)

■ CRIME

Düsseldorf firm established to counter industrial espionage

Münchener Merkur

In a windowless Düsseldorf room appointed with all the latest in electronics Dr. U. Losberg, a psychologist, works with his colleagues and allegedly with an army of 300 agents keeping the competition at a distance from this country's private industrial sector. Dr. Losberg is the head of the recently established association for counter industrial espionage (AID).

According to Dr. Losberg the 300 agents who work for him have been recruited from various government intelligence agencies at Pullach, Cologne and the armed forces secret service. They can, with the permission of their chiefs, earn a little on the side in their spare time by working for AID. Just how long the authorities will be so broad-minded about this spare time work has not yet been investigated, but officials and those in government service are by law allowed to do spare time work so long as it does not interfere with their official activities.

Although industrial espionage is an ever growing problem in the computerised economy of this country Dr. Losberg has not yet signed any agreements to work for major concerns. Dr. Losberg says that his Düsseldorf firm needs a further nine months before it will be fully set up to go into operation.

Dr. Losberg points out that when all is ready he will have eight full time specialists working at his headquarters. Among his agents who are working for various government agencies he will employ people with the highest academic qualifications.

His private agents have to train for emergencies. According to Dr. Losberg an economics expert has to put on blue overalls and go on to the shop floor and learn industrial skills. This is necessary so as to be prepared for those times when the economics expert has to go and work on the production line or at a bench in a factory when dealing with cases of industrial espionage. It will be that intricate easier for him to take on the role of an ordinary factory worker and so keep an eye on workers suspected of industrial espionage. Dr. Losberg said: "There has to be people in our organisation who are capable of using a file efficiently."

According to Dr. Losberg's descriptions at the organisation's headquarters data will be collected and analysed to improve industry's protection against industrial espionage. Dr. Losberg's concrete room is equipped with 16 anti-bugging devices. Electric cables have been laid in the walls. If an intruder tried to make his way through the walls the police and the firm would be instantly alerted. Describing further the technical appointments of his

Drug warning

The Federal Minister for Youth and Family Affairs recently made public a letter addressed to the publishers' association asking publishers in the Federal Republic to be cautious when accepting works for publication dealing with drugs and the problems of drug addiction.

In the view of the Federal government the contents of many books on this subject give a false or questionable picture of the drug problem.

(Der Tagespiegel, 18 July 1972)

headquarters Dr. Losberg said that a electric pays had been included in the network that protects the HQ. If the tough boys or other agents tried to force their way in the alarm would be set off. The security of the headquarters has been further strengthened by supplying current in four circuits.

Dr. Losberg estimates at the moment that his monthly expenses will be in the region of 14,000 Marks. The firm has been established with the aid of outside capital, provided by a group of firms interested in industrial espionage. The organisation will eventually repay these firms for their financial assistance.

AID offers all firms free advice. In a press release Dr. Losberg stated: "Our advice for industrial protection is just the same as the advice given by the police on precautions that can be taken - it is free. When pressed Dr. Losberg said that he was not speaking loosely when he used the words free of charge. He meant what he said. But he conceded that advice of this sort would lead to firms becoming clients.

Frankfurt steps up crime prevention regulations

To intensify the fight against crime in Frankfurt, known as the Babylon on the Main, Frankfurt police are to be provided with 100 bullet-proof vests, sticklers are to be prepared to show that patrons will not be swindled and prostitutes are to be bailed from the centre of the city. Police are to be equipped with 40 new radio cars.

The city's security council has allocated 1.5 million Marks to improved technical equipment for the police - police cars, radios, radio photographic equipment and bullet-proof vests. A further 1.5 million Marks has been provided for increased personnel costs, for the sixty police officers who control traffic at crossings and for an additional man bringing the total up to 14 in the drugs squad.

Traffic wardens will in future do the work that police have done in controlling traffic. Police will make foot patrols so as to be able to control rowdies more efficiently, making Frankfurt's roads safer. Experience has shown that the 100,000 hours per year of foot patrols that have been scheduled in the past are not considered to be enough.

Le Monde, Paris, commenting on Frankfurt said: "Many citizens in Frank-

Children of school age who do not go on holiday, with their parents, but roam the streets of major cities and who loiter in large department stores are becoming more and more prone to crime, according to a written reply to questions posed by CDU members of the North Rhine-Westphalia provincial assembly querying the incidence of crime among young people.

The reply clarified the incidence of crime among young boys and girls. According to Magdalena Brinkamp of the Düsseldorf crime squad young girls have devised new methods of shoplifting. Boutiques that display their wares outside the shop were a considerable temptation to girls.

But clothing is not only a temptation for girls, according to Magdalena Brinkamp. Boys are also tempted.

The organisation was in no way involved with local authorities.

If the management of a firm considered it was necessary to solicit the services of AID and AID agent would cost the firm something like 150 Marks per hour.

According to Dr. Losberg the firm was founded by himself and another when they were given clearance from trade and industry to go ahead with their project. For many years Dr. Losberg was keen to establish an organisation with a special interest of problems concerning industrial espionage but, "not every Tom, Dick or Harry can obtain a clearance certificate."

Aid will be limited to operations within the Federal Republic. While plant that is involved in the manufacture and development of munitions are protected from industrial espionage by the State plant in the private sector is in a bad way. Traditional methods of protection and the firm's own efforts cannot often thwart the activities of industrial spies.

The Interior Minister in the state government in Düsseldorf recently advised industry that measures to counter industrial espionage were the responsibility of industry itself and that the police could not be expected to be very active in this area.

This is the area where Dr. Losberg and his colleagues see their future success.

Hans Willehewer

(Münchener Merkur, 27 July 1972)

furt will no longer go out at night for fear of being attacked and robbed.

Until now there were no particular areas where prostitutes could operate. They carried on their business all over the city particularly in the residential quarters. This is to be changed. The whole city has been declared a prohibited zone for prostitutes with the sole exception of a few streets close to the central station. Hotels that provide rooms for prostitutes to carry on their work will have to obtain a licence.

New regulations will be applied against abuses in bars and clubs close to the central station. Knut Müller, police chief, is toying with the idea of introducing an anti-cheating campaign for nightclubs, clearly indicating to customers that they will not be swindled in a particular establishment. In Munich and Hamburg similar campaigns have already been a great success.

Regulations are to be introduced concerning the behaviour of nightclub tourists on the streets. Hostesses who run up bills for customers of many hundreds of Marks are also to be controlled.

Albert Bechtold

(Weser Kurier, 13 July 1972)

Young girls top petty crime figures

But does the fault lie with the young people alone? CDU members are of the view that the major department stores are also to blame. They believe that goods should be so displayed that young people are not tempted to try and steal.

More than half the children of school age do not go away for holidays. According to local politicians the incidence of crime among the young could be reduced if holidays for the young were financed by the Federal state, deterring the young people from loitering in department stores.

Girls are the most tempted to commit

Commercial crime prevention measure to be investigated

A commission has been set up in the to investigate what legislation can be drawn up and what measures can be applied to tackle the ever growing problem of commercial crime.

Headed by Hans Dünnebler the commission, made up of judges, officials, the criminal investigation department, the police, experts and politicians, will into the question of how to contain activities of the "white-collared man."

Justice Minister Gerhart Jahn has prepared a brief for the commission, wants them to devise a more workable definition of 'fraud' and 'deceit' and concept of damage through these activities should be more clearly defined in law.

An important field for investigation fraud with subsidies and swindles with the EEC involving the skimming off profits as well as tax evasion.

Furthermore tax legislation is to be investigated to see if it is possible to devise measures against tax fraud. In the commission will investigate aspects of trade and business dealing with bank exaltance and bankruptcy.

Minister Jahn said that tackling the problem of commercial crime is not a duty for a socialist State but a question of maintaining economic order and maintaining the economic safety of every citizen in the country. It is essential to minimise the criminal nature of activities as far as possible. If, however, resignation sets in, the Minister wants in the long-term the very foundation of our economic order would be undermined.

Minister Jahn added that the identification of our economic system must be commercial crime that much easier. A determined battle against this kind of crime strengthened the citizen's faith in the commercial order of things.

The Minister said that the increase in commercial crime was closely related to the economic boom that the Federal Republic has enjoyed in the past few years.

Precise statistics are not available but Baden-Württemberg alone in 1971 a total of 143 cases were dealt with involving an estimated 168 million Marks.

The Minister does not see the question of commercial law as a battlefield for ideological argument. The SPD legal expert Hans de Wirth welcomed the setting up of the commission and looks forward to seeing the suggestions and proposals the commission makes for improved measures relating to commercial crime.

(Die Welt, 26 July 1972)

■ THE OLYMPICS

Munich's press and TV will be serving 1,000 million fans

Kiel Nachrichten

Everything is at the ready to ensure that the Munich Olympics, which will be opened on 26 August, are the greatest radio and TV show on earth. The Olympic radio and TV centre, recently previewed, reckons it will be catering for 1,000 million listeners and viewers.

The Olympic centre boasts an impressive array of equipment that leaves the layman nonplussed. One can quite believe the staff when they claim that never before has such a technological outlay been necessary to do the job.

During the Games the centre's facilities will be used by more than 100 radio and 60 TV authorities from all over the world. The communications system, planned and for the most part constructed by Siemens, will be staffed by some 1,500 engineers throughout the Games.

This is where 1,200 radio and TV commentators from all over the world will report and comment on the sporting events at Munich.

At a press conference held at the Olympic centre facts and figures were outlined that convey some idea of the dimensions involved.

There will be 150 electronic colour TV cameras, 80 film cameras, 27 colour TV outdoor broadcast vans, 85 amplex devices, eleven slow-motion units, twenty colour film and slide scanners, 850 sets of equipment for commentators, a control room in which 3,000 sound and screen lines will meet, 61 soundtrack and 14 video units and a gigantic monitor panel with 48 screens.

Were all this equipment to have been specially purchased for the occasion it would have cost more than 250 million Marks. Very little has been specially bought, though. The Olympic radio and TV centre, which is jointly run by this country's two major TV channels, has either hired the equipment or borrowed it from other authorities.

The world Olympic HQ for thirteen separate TV programmes and sixty commentators in 45 languages is designed to cater for every conceivable demand.

People without tickets for the Olympic

Pop and classical music, pin-table machines and an array of stars will be on hand in the entertainments centre of the Olympic village to keep the 14,000 competitors and officials amused during the Games.

From 1 August to 17 September Stefan von Baranski, head of entertainments in the Olympic village, has engaged 959 artists from twenty countries.

The total cost will be an estimated 1.2 million Marks, of which the Olympic organisation committee is providing only 450,000 Marks. The remainder has been financed from other sources.

International live shows will run in the 450-seat theatre, with non-alcoholic drinks available. There will also be a cinema subsidised to the tune of 900,000 Marks by the film industry.

This cinema, incidentally, will be all that will remain of the entertainments centre after the Games. The remainder will be converted into a school.

These two theatres are by no means all that is on offer in the way of entertain-

sporting events will certainly see more on the screen than ticket-holders. They can do no better than to stay at home and watch it all from the comfort of their own armchairs. TV will provide complete coverage and always be on the spot when major decisions are in the offing.

Not all broadcasting authorities will be able to be on the spot when major results are being decided. They will, however, be able to draw not only on the film recording but also on the international soundtrack - the original noises off - and add a commentary after the event.

In the Olympic off-tube complex sixty cabins are at the ready for two commentators each. They will be able to select the appropriate camera on their monitor screens and supply commentaries on the events as they happen.

The Olympic canning factory will en-

Entertainment at Kiel sailing regatta

Just in time for the opening of the Olympic regatta in Kiel the cultural programme has been provided with a new focal point. Kiel Opera House, destroyed during the war, has been rebuilt at a cost of 12.8 million Marks.

Reconstruction has been largely financed by the Olympic programme and the new technical facilities provide the necessary backing for an international programme of theatre, ballet and opera.

Rehearsals for the Kiel theatres' many contributions to the Olympic cultural programme have been under way for some time.

Wagner's *Flying Dutchman* will form part of the programme, as will Debussy's *Pelléas and Melisande*, Strauss' *Night in Venice* and Lortzing's *Wildschütz*.

The organisers have concentrated on light entertainment and Kiel Theater is to produce Carlo Goldoni's comedy *The Twins from Venice*, directed by Ferruccio Soleri of Italy, and a music hall programme entitled *The Golden Twenties*.

Reconstruction of the Opera House is intended first and foremost to cater for the stage requirements of international guests. Visiting companies from Denmark, Norway, Sweden, Bulgaria and Poland will share the stage with domestic companies.

Music-lovers are intrigued by the pro-

sure that TV authorities in Europe and overseas will be able to screen the Games when it suits them best. All film will be recorded and on call whenever needed.

The broadcasting authorities need only decide when their respective viewing publics are to be provided with Olympic coverage and can then, in theory, provide 100-per-cent coverage of the Games.

Should, in the course of a major live transmission, an unexpected record be set up or some other important and unexpected event occur in a minor arena, the commentators can push a button and screen it directly.

Everything worth seeing will be recorded on magnetic tape. The recorders look like gigantic sound recorders and cost 600,000 Marks each. Eighty-five of them will be on call in the world TV HQ. Slow-motion units will also be at the ready to rerun important details.

Programmes can be switched almost instantaneously and the engineers and technicians at the Olympic radio and TV centre willingly explain the procedure to anyone who cares to ask. But when it comes to understanding it all they are pretty much on their own.

Oscar W. Reschke

(Kiel Nachrichten, 22 July 1972)

MUNICH BRIEFS

10,500 competitors

Munich will be a record Olympics. Individual nominations need not be submitted until ten days before the first heat of the discipline in question but it is already clear that in terms of participants the forthcoming Olympics will break all previous records.

By the 30 June deadline 123 member-countries of the 131-strong International Olympic Committee had, according to the Munich organisation committee, submitted nominations.

Assuming that the full number actually attend some 10,500 men and women athletes will compete in the 21 disciplines at Munich, Augsburg and Kiel. In Mexico 6,059 athletes representing 113 countries competed.

(Neue Hannoverische Presse, 4 July 1972)

The Churches at the Games

Thousands of Churchmen, missionaries and hot gospellers will cater for the religious well-being of Olympic athletes and spectators during the Munich Games. According to the press service of this country's Protestant Church all manner of religious denominations will enter into what might be termed Olympic competition.

Protestant and Catholic Churchmen, who for once have joined forces in ecumenical union, will doubtless set the trend. They have offered cooperation to the Islamic confession and a Moslem prayer room has been set up in the Olympic Church centre.

A number of Protestant denominations have set up their own missionary organisation for the Munich Olympics. They plan to hold a Jesus Festival and fourteen film shows a day featuring ten films.

This group propose to distribute 100,000 copies of the Gospel according to St John among Olympic athletes and visitors and an evangelical youth movement plans to distribute free of charge a further 100,000 copies of this gospel in newspaper format.

(Hamburger Abendblatt, 10 July 1972)

Olympic rainbow

Instead of an Olympic firework display the Olympic organising committee has decided to span the Olympic site with an artificial rainbow to mark the conclusion of the Games. The rainbow will, the organisers claim, be a world sensation.

The 430-metre rainbow will extend from the Olympic hilllock to the forum. The rainbow has been commissioned from Winzen Research of Minneapolis and will be inflated immediately following the closing ceremony.

The idea is that of German artist Otto Piene, who has conducted similar experiments in the United States in the past. The artificial rainbow is produced by filling a sausage-shaped balloon with helium and generating a transparent chain of light within.

(Frankfurter Neue Presse, 6 July 1972)

Kiel record

Kiel Olympic regatta has already set up its first record. A total of 49 countries will compete for Olympic gold, silver and bronze on the Bay of Kiel, more than ever before.

172 craft, including 27 Dragons, 28 Solings, 23 Stars, 21 Tempests, 32 Flying Dutchmen and 41 Finn Dinghies, have so far been entered.

358 participants will sail in them. Together with 111 reserves the total number of competitors will thus be 469.

(Der Tagespiegel, 12 July 1972)